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Publications of the U.S. Army Engineer Research and Development Center: October 1999-December 2015

Compiled by James A. Dolan

January 2017

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Publications of the U.S. Army Engineer Research and Development Center: October 1999-December 2015

Compiled by James A. Dolan

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U.S. Army Engineer Research and Development Center
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Final report

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Prepared for U.S. Army Corps Engineer Research and Development Center
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

Abstract

Publications issued October 1999 through December 2015 by the U.S. Army Engineer Research and Development Center (ERDC) are listed. The publications are grouped according to the technical laboratories or technical program for which they were prepared. Procedures for obtaining ERDC reports are included in the Preface.

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Preface

Publications issued October 1999 through December 2015 by the U.S. Army Engineer Research and Development Center (ERDC) are listed herein. The publications are grouped according to the technical laboratories and/or technical programs for which they were prepared. The purpose of this report is to provide a comprehensive list of existing literature produced by the ERDC.

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When electronic access is not an option, library-to-library loaning is available through Online Computer Library Center (OCLC). The ERDC Library’s OCLC symbol is AERDC. Requestors should contact their local library for interlibrary loans. The ERDC Library does not loan directly to individuals. The loaning of limited distribution reports is at the discretion of the ERDC Library and only if the requestor meets the qualifications of the report’s limited distribution statement.

This report was compiled by the U.S. Army Engineer Research and Development Center, Information Technology Laboratory (ERDC-ITL), under the general supervision of Susan D. Kitchens, Chief, Information Science and Knowledge Management Branch, ITL; Ken Pathak, Chief, Software Engineering and Informatics Division, ITL; Patti S. Duett, Deputy Director, ITL; and Dr. Reed L. Mosher, Director, ITL.

At the time of publication, COL Bryan S. Green was the Commander of ERDC. Dr. Jeffery P. Holland was the Director.

1 Engineer Research and Development Center (ERDC)

Contract reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
¹ ERDC CR-00-1	Aug 2000	EDYS Applications: Two-Year Validation Results for Grassland Communities at Fort Bliss, Texas, and Fort Hood, Texas, by T. McLendon, W.M. Childress, and C. Coldren	ADB258381

Letter reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC LR-00-1	Sep 2000	Directory of Wetland Sites Being Used for Long-term Shallow Groundwater Monitoring, by C.B. Whitten and J.S. Wakeley	
ERDC LR-02-1	Feb 2002	Seismic Stability of St. Stephen Hydropower Plant, South Carolina, by R.M. Ebeling, R.L. Hall, R.W. Strom, D.E. Yule, and M. Chowdhury	ADA399836
ERDC LR-02-1 Rev.	Nov 2006	Seismic Stability of St. Stephen Hydropower Plant, South Carolina, by R.M. Ebeling, R.L. Hall, R.W. Strom, D.E. Yule, and M. Chowdhury	ADA457763
¹ ERDC LR-12-1	May 2012	Using Ecological Modeling to Identify Species Dispersal Corridors, by J.H. Sperry, C.M. Armstrong, W.D. Meyer, J.D. Westervelt, R.F. Lance, and W.A. Boyd	
¹ ERDC LR-13-1	Jun 2013	Methodology for a First-Order Assessment of the Potential for Pollutant Loading from Military Installations in the Chesapeake Basin, by A.L. Coplin, T.M. Sobecki, and D.M. Soballe	
¹ ERDC LR-13-2	Jul 2013	Indigenous Plantings to Prevent Erosion on Army Lands Within Chesapeake Bay, by P. Bailey, S. Miller, S. Bourne, and T. Cary	

¹ Limited distribution; see Preface.

Special reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC SR-01-1	Feb 2001	Water Quality and Potential Sediment Erosion Assessment for Proposed Construction at Fort Knox, Kentucky, by S.L. Ashby, W.D. Martin, and C.N. Gaines	ADA389236
ERDC SR-01-2	Jul 2001	Design, Setup, and Operation of the Fixed-Site TeleEngineering Communications System, by J.L. Williamson, C.J. Smith, L.N. Lynch, and B.A. Register	ADA395366
ERDC SR-01-3	Sep 2001	Strategic Environmental Research and Development Program (SERDP) Ecosystem Management Project (SEMP) FY00 Annual Report, by H.E. Balbach, W.D. Goran, T. Aden, D.L. Price, M.R. Kress, W.F. DeBusk, A.J. Krzysik, V.H. Dale, C. Garten, and B. Collins	ADA399457
ERDC SR-02-1	Mar 2002	The SEMP Approach: Plans and Progress of the Strategic Environmental Research and Development Program (SERDP) Ecosystem Management Project (SEMP), by W.D. Goran, T. Aden, H.E. Balbach, B. Collins, V. Dale, T. Davo, B.J. Guertin, J. Hall, R. Kress, D. Price, and P. Swiderek	ADA402344
ERDC SR-02-2	Mar 2002	Strategic Environmental Research and Development Program (SERDP) Ecosystem Management Project (SEMP) FY01 Annual Report, by H.E. Balbach, W.D. Goran, T. Aden, D.L. Price, M.R. Kress, W.F. DeBusk, A.J. Krzysik, V.H. Dale, C. Garten, and B. Collins	
ERDC SR-02-3	Aug 2002	Army training and Testing Area Carrying Capacity (ATTACC) Vehicle Severity Factor (VSF) and Local Condition Factor (LCF) Calculator User Manual, Version 1.0, by A.B. Anderson and P. Sullivan	ADA406275
ERDC SR-02-4	Sep 2002	Design, Setup, and Operation of the Third-Generation TeleEngineering Communications Equipment-Deployable (TCE-D) System, by J.L. Williamson, L.N. Lynch, J. Powell, and B. Register	
ERDC SR-02-13	Sep 2002	Geophysical Archeological Survey at Poverty Point State Historic Site (16WC5) West Carroll Parish, Louisiana, by T. Britt, M. Hargrave, and J. Simms	ADA469531
ERDC SR-03-1	Jun 2003	Product Life Cycle Planning, by J.L. Walaszek, W.D. Goran, C.D. Butler, K.C. McGuire, T.L. Pickett, K.D. White, and W.J. Wolfe	ADA419127

ERDC SR-04-1	Aug 2004	Proceedings of the Symposium: The Pantanal: Scientific and Institutional Challenges in Management of a Large and Complex Wetland Ecosystem; 24th Annual Meeting of the Society of Wetlands Scientists, 8-13 June 2003, New Orleans, Louisiana, by D.J. Tazik, A.A.R. Ioris, and S.R. Collinsworth, editors	ADA444623
ERDC SR-04-2	Oct 2004	Proceedings of the International Workshop on Uncertainty, Sensitivity, and Parameter Estimation for Multimedia Environmental Modeling; August 19-21, 2003	
ERDC SR-04-3	Oct 2004	Setup and Operation of the Third-Generation TeleEngineering Communications Equipment-Fixed Site (TCE-F), Version II, by J.L. Williamson, L.N. Lynch, J. Powell, and B. Register	ADA429405
ERDC SR-04-4	Oct 2004	Setup and Operation of the Third-Generation TeleEngineering Communications Equipment-Deployable (TCE-D) System, Version II, by J.L. Williamson, L.N. Lynch, J. Powell, and B. Register	ADA429284
¹ ERDC SR-06-1	Jun 2006	SERDP Ecosystem Management Project (SEMP): 2004 Administrative Report	
ERDC SR-06-2	Jun 2006	SERDP Ecosystem Management Project (SEMP): 2004 Technical Report	ADA451758
ERDC SR-06-3	Jun 2006	SEMP Monitoring and Research Infusion Technology Transition Plan, by J.S. Fehmi, H.E. Balbach, and W.D. Goran	
ERDC SR-07-1	Jan 2007	eXtensible Model Data Format (XMDF), by C.D. Butler, D.R. Richards, R.M. Wallace, N.L. Jones, and R. Jones	ADA461368
ERDC SR-07-2	Mar 2007	SERDP Ecosystem Management Project (SEMP): 2005 Annual Report, by H.E. Balbach and E.L. Keane	ADA467767
ERDC SR-07-3	Jul 2007	Acoustic Propagation Through a Forest Edge: Data Report for Camp Ripley, Minnesota, by M.E. Swearingen, M.J. White, P.J. Guertin, J.A. Mifflin, T.E. Onder, D.G. Albert, S.N. Decato, and A. Tunick	ADA470913
ERDC SR-07-4	Nov 2007	Setup and Operation of the TeleEngineering Communications Equipment - Fixed Site (TCE-F), Version III, by J.L. Williamson, L.N. Lynch, J. Powell, B. Register, R. Burrow, J. Stringer, and W.C. Fryer	ADA473828

¹ Limited distribution; see Preface.

ERDC SR-09-1	Apr 2009	Installation and Operation of the Automated Route Reconnaissance Kit (ARRK), by J.D. Jorgeson, J.M. Jackson, S.K. Fairley, W.W. Berry, J.F. Powell, J.L. Williamson, J.C. Ray, T.R. Stanton, and B.T. Webb	
ERDC SR-09-2	Apr 2009	Ecosystem Management: Synthesis and Findings, by D.W. Imm, H. Westbury, L. Mulkey, R.R. Sharitz, H. Balbach, V. Dale, B. Collins, A. Kryszik, R. Reddy, C. Garten, D. Price, G. Lockaby, J. DiLustro, and W. Goran	ADA608300
ERDC SR-10-1	Jul 2010	Beyond the Factor of Safety: Developing Fragility Curves to Characterize System Reliability, by M.T. Schultz, B.P. Gouldby, J.D. Simm, and J.L. Wibowo	ADA525580
ERDC SR-10-2	Dec 2010	Literature Review - Vegetation on Levees, by M.K. Corcoran, D.H. Gray, D.S. Biedenbarn, C.D. Little, J.R. Leech, F. Pinkard, P. Bailey, and L.T. Lee	ADA547778
ERDC SR-11-1	Oct 2011	Anticipating Climate Change Impacts on Army Installations, by R.C. Lozar, M.D. Hiatt, J.D. Westervelt, and J.W. Weatherly	ADA559185
¹ ERDC SR-12-1	Aug 2012	Microwave Antenna Test Bed and Free Space Data Collection System, by R.M. Castellane III, E.L. Miller, and C.B. Blount	ADB391753
ERDC SR-12-2	Nov 2012	The US Army Corps of Engineers Roadmap for Life-Cycle Building Information Modeling (BIM), by US Army Corps of Engineers, Directorate of Civil Works, Engineering and Construction Branch	ADA576135
ERDC SR-12-2 Sup. 1	Nov 2012	The US Army Corps of Engineers Roadmap for Life-Cycle Building Information Modeling (BIM). Supplement 1- BIM Implementation Guide for Military Construction (MILCON) Projects Using the Autodesk Platform, by Autodesk, Inc.	ADA576142
ERDC SR-12-2 Sup. 2	Nov 2012	The US Army Corps of Engineers Roadmap for Life-Cycle Building Information Modeling (BIM). Supplement 2 - BIM Implementation Guide for Military Construction (MILCON) Projects Using the Bentley Platform	ADA578649
ERDC SR-13-1	Feb 2013	Investigation of the Corrosion Mechanism and Determination of the EMS Estimated Service Life at Site 81, by V.F. Hock Jr., C.A. Weiss, Jr., R.D. Moser, S.W. Morefield, and J.B. Bushman	ADA591856

¹ Limited distribution; see Preface.

ERDC SR-15-1	Jan 2015	Use of Natural and Nature-Based Features (NNBF) for Coastal Resilience, by T.S. Bridges, P.W. Wagner, K.A. Burks-Copes, M.E. Bates, Z.A. Collier, C.J. Fischenich, J.Z. Gailani, L.D. Leuck, C.D. Piercy, J.D. Rosati, E.J. Russo, D.J. Shafer, B.C. Suedel, E.A. Vuxton, and T.V. Wamsley	ADA613224
ERDC SR-15-2	Jun 2015	Energy and Resource Recovery from Wastewater Treatment: State of the Art and Potential Application for the Army and the DoD, by V.F. Medina, R.J. Scholze, S.A. Waisner, and C.S. Griggs	ADA619808

Technical reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC TR-00-1	Apr 2000	Hydrodynamic and Water Quality Model Study of San Juan Bay Estuary, by B.W. Bunch, C.F. Cerco, M.S. Dortch, B.H. Johnson, and K.W. Kim	ADA378533
ERDC TR-00-2	Jun 2000	A Methodology for Estimating Army Training and Testing Area Carrying Capacity (ATTACC) Vehicle Severity Factors and Local Condition Factors, by P.M. Sullivan and A.B. Anderson	ADA379393
ERDC TR-00-3	Jul 2000	Multiuser Disposal Sites (MUDS) for Contaminated Sediments from Puget Sound-Subaqueous Capping and Confined Disposal Alternatives, by M.R. Palermo, J.E. Clausner, M.G. Channel, and D.E. Averett	ADA380336
ERDC TR-00-4	Jul 2000	Procedures for Determining Integrity of UXO and Explosives Soil Contamination at Firing Ranges, by J.M. Brannon, T.F. Jenkins, L.V. Parker, P. Deliman, J.A. Gerald, C. Ruiz, B. Porter, and W.M. Davis	ADA383113
ERDC TR-00-5	Aug 2000	Analysis of Explosives-Related Chemical Signatures in Soil Samples Collected Near Buried Land Mines, by T.F. Jenkins, M.E. Walsh, P.H. Miyares, J.A. Kopczynski, T.A. Ranney, V. George, J.C. Pennington, and T.E. Berry, Jr.	ADA381896
ERDC TR-00-6	Sep 2000	Evaluation of Three-Component Magnetic Sensors for Delineation and Identification of UXO, by J.E. Simms, L.B. Smithhart, and D.K. Butler	ADA383795
ERDC TR-00-7	Sep 2000	Olmsted Wicket Blank Experiment in 1:5-Scale Hydraulic Flume Model, by M.R. Chowdhury and W.G. Davis	ADA384493
ERDC TR-00-8	Sep 2000	Guidelines for Mapping Vegetation on Army Installations, by L.J. O'Neil, and A. Hill, editors	

ERDC TR-00-9	Nov 2000	U.S. Army Corps of Engineers Geospatial Data and Systems Management, by N.H. Greeley, K.M. Dilks, C.M. Adams, and G.C. Hoge	ADA385925
ERDC TR-01-1	Mar 2001	A Community-Based Regional Plan for Managing Threatened and Endangered Species on Military Installations in the Southeastern United States, by C.O. Martin, M.G. Harper, A.T. Shapiro, and R.A. Fischer	ADA391851
ERDC TR-01-2	Jan 2001	Decision Support Capabilities for Future Technology Requirements, by M.P. Case, W.D. Goran, T.A. Gunther, J.P. Holland, D.M. Johnston, G. Lessard, and W.J. Schmidt	ADA386667
ERDC TR-01-3	Mar 2001	Planning, Engineering, and Design of Sustainable Facilities and Infrastructure; An Assessment of the State of Practice, by S.N. Flanders, R.L. Schneider, D. Fournier, B. Neal, and A.L. Stumpf	ADA388921
ERDC TR-01-4	Apr 2001	Delineating Playas in the Arid Southwest; A Literature Review, by W. Brostoff, R. Lichvar, and S. Sprecher	ADA389351
ERDC TR-01-5	Jul 2001	Characterization of Explosives Contamination at Military Firing Ranges, by T.F. Jenkins, J.C. Pennington, T.A. Ranney, T.E. Berry, Jr., P.H. Miyares, M.E. Walsh, A.D. Hewitt, N.M. Perron, L.V. Parker, C.A. Hayes, and E.G. Wahlgreen	ADA392827
ERDC TR-01-6	Aug 2001	Design, Setup, and Operation of the Deployable TeleEngineering Communications System, by J.L. Williamson, C.J. Smith, L.N. Lynch, and J. Powell	ADA395367
ERDC TR-01-7	Aug 2001	Groundwater Flow and Contaminant Transport Modeling Near the Peele Dixie Well Field; Including Florida Petroleum Reprocessors Superfund Site, Ft. Lauderdale and Davie, Broward County, Florida, by M.E. Glynn, S.E. Howington, W.L. Murphy, J.P. Hallberg, M. Zakikhani, R.S. Maier, and B.A. Abraham	ADM001314
ERDC TR-01-8	Aug 2001	Development of a Geomorphology-Based Framework for Cultural Resources Management, Dworshak Reservoir, Idaho, by M.K. Corcoran, L.M. Smith, L.D. Wakeley, and P.R. Nickens	ADA395602
ERDC TR-01-9	Aug 2001	Instrumentation at the National Center for Asphalt Technology Test Track, by R.B. Freeman, H.T. Carr, T. McEwen, and R.B. Powell	ADA395937
ERDC TR-01-10	Aug 2001	Base-Induced 2,4,6-Trinitrotoluene Transformation, Titration Studies, by L.D. Hansen, D.D. Ringelberg, D.R. Felt, and J.D. Davis	ADA394461

ERDC TR-01-11	Sep 2001	Olmsted Horse Wicket Experiment in 1:5-Scale Hydraulic Flume Model, by M.R. Chowdhury and W. G. Davis	ADA395535
ERDC TR-01-12	Sep 2001	Extended Bioremediation Study of the POPILE, Inc., Site, El Dorado, Arkansas, by L.D. Hansen, C.C. Nestler, and D.B. Ringelberg	ADA398612
ERDC TR-01-13 Rep. 1	Sep 2001	Distribution and Fate of Energetics on DoD Test and Training Ranges; Interim Report 1, by J.C. Pennington, T.F. Jenkins, J.M. Brannon, J. Lynch, T.A. Ranney, T.E. Berry, Jr., C.A. Hayes, P.H. Miyares, M.E. Walsh, A.D. Hewitt, N. Perron, and J.J. Delfino	ADA398393
ERDC TR-01-14	Sep 2001	Plant Material Acquisition, Layout, and Handling for Flood Control Projects, by J.C. Fischenich, D.N. McComas, and H.H. Allen	ADA400291
ERDC TR-01-15	Nov 2001	Monitoring of Marseilles Dam Submersible Gates, Illinois River, Illinois, by D.R. Cooper, T.L. Fagerburg, T.N. Waller, S.W. Guy, and A. Tuthill	ADA399683
ERDC TR-01-16	Dec 2001	Environmental Considerations for Vegetation in Flood Control Channels, by J.C. Fischenich and R.R. Copeland	ADA400227
ERDC TR-01-17	Nov 2001	Seismic Testing of a 1/20 Scale Model of Koyna Dam, by J. Wilcoski, R.L. Hall, E.E. Matheu, J.B. Gambill, and M.R. Chowdhury	ADA401013
ERDC TR-02-1	Jan 2002	Freeze Concentration of Pinkwater, by C.J. Martel, S. Taylor, and S.W. Maloney	ADA398637
ERDC TR-02-2	Mar 2002	Assessment of Geology as it Pertains to Modeling Uplift in Jointed Rock: A Basis for Inclusion of Uncertainty in Flow Models, by W.L. Murphy, R.M. Ebeling, and J.M. Andersen	ADA401845
ERDC TR-02-3	Apr 2002	Automated Environmental Data Collection at Fort Benning, Georgia, from May 1999 to July 2001, by C.D. Hahn and D.L. Leese	ADA401416
ERDC TR-02-4	Apr 2002	Tributary Refinements to the Chesapeake Bay Model, by C.F. Cerco, B.H. Johnson, and H.V. Wang	ADM001411
ERDC TR-02-5	Sep 2002	Field Pilot Study of In Situ Capping of Palos Verdes Shelf Contaminated Sediments, by T.J. Fredette, J.E. Clausner, M.R. Palermo, S.M. Bratos, T.L. Pickett, B.H. Johnson, M.S. Brouwer, J.A. Ryan, L.J. Smith, E.E. Nevarez, F.K. Schauffler, and S. McDowell	ADA408898
ERDC TR-02-6	Sep 2002	Assessment of DDT Bioavailability in the Little Sunflower River Sediment and Agricultural Soil, by R. Wade, G.R. Lotufo, J.A. Steevens, J.G. Houston, H.L. Fredrickson, E.J. Perkins, A.B. Morrow, C.A. Weiss, J.S. Furey, D. Felt, M. Duke, and J.W. Talley	ADA408220

ERDC TR-02-7	Dec 2002	Biaxial Loading and Failure Behavior of Brick Triplets With Fiber-Reinforced Polymer Composite Upgrades, by J.B. Berman, G.K. Al-Chaar, and P.K. Dutta	ADA410920
ERDC TR-02-8 Rep. 2	Oct 2002	Distribution and Fate of Energetics on DoD Test and Training Ranges: Interim Report 2, by J.C. Pennington, T.F. Jenkins, G. Ampleman, S. Thiboutot, J.M. Brannon, J. Lynch, T.A. Ranney, J.A. Stark, M.E. Walsh, J. Lewis, C.A. Hayes, J.E. Mirecki, A.D. Hewitt, N. Perron, D. Lambert, J. Clausen, and J.J. Delfino	
ERDC TR-03-1	Mar 2003	Application of LEED™ and SPiRiT to a Proposed Building Design, by S. Nemeth, D. Fournier, R. Schneider, R. Ducey, F. Holcomb, E. Johnson, P. Loechl, P. Perregrin, A. Phelps, G. Phetteplace, R. Scholze, D. Schwenk, A. Stumpf, W. Taylor, M. Tooker, J. Vavrin, and J. Webster	ADA432763
ERDC TR-03-2 Rep. 3	Sep 2003	Distribution and Fate of Energetics on DoD Test and Training Ranges: Interim Report 3, by J.C. Pennington, T.F. Jenkins, G. Ampleman, S. Thiboutot, J.M. Brannon, J. Lewis, J.E. DeLaney, J. Clausen, A.D. Hewitt, M.A. Hollander, C.A. Hayes, J.A. Stark, A. Marois, S. Brochu, H.Q. Dinh, D. Lambert, A. Gagnon, M. Bouchard, R. Martel, P. Brousseau, N.M. Perron, R. Lefebvre, W. Davis, T.A. Ranney, C. Gauthier, S. Taylor, and J. Ballard	ADA417819
ERDC TR-03-3	Sep 2003	Evaluation of Island and Nearshore Confined Disposal Facility Alternatives, Pascagoula River Harbor Dredged Material Management Plan, by B.W. Bunch, M. Channell, W.D. Corson, B.A. Ebersole, L. Lin, D.J. Mark, J.P. McKinney, S.A. Pranger, P.R. Schroeder, S.J. Smith, D.H. Tillman, B.A. Tracy, M.W. Tubman, and T.L. Welp	ADA417955
¹ ERDC TR-03-4 Vol. 1	Oct 2003	Condition Assessment of U.S. International Boundary and Water Commission, Lower Rio Grande Valley Levees, South Texas. Volume I, Main Text and Appendices, by J.B. Dunbar, R.F. Ballard, W.L. Murphy, T.E. McGill, J.L. Llopis, L.D. Peyman-Dove, and M.J. Bishop	ADB294050

¹ Limited distribution; see Preface.

ERDC TR-03-4 Rep. 5	Jan 2007	Condition Assessment of Levees, U.S. Section of the International Boundary and Water Commission. Report 5: Flood Simulation Study of Retamal Levee, Lower Rio Grande Valley, Texas, Using Seismic and Electrical Geophysical Models, by J.B. Dunbar, J.L. Llopis, G.L. Sills, E.W. Smith, R.D. Miller, J. Ivanov, and R.F. Corwin	ADA464953
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ERDC TR-04-4 Rep. 4	Nov 2004	Distribution and Fate of Energetics on DoD Test and Training Ranges; Interim Report 4, by J.C. Pennington, T.F. Jenkins, G. Ampleman, S. Thiboutot, J. Brannon, J. Clausen, A.D. Hewitt, S. Brochu, P. Dube, J. Lewis, T. Ranney, D. Faucher, A. Gagnon, J.A. Stark, P. Brousseau, C.B. Price, D. Lambert, A. Marois, M. Bouchard, M.E. Walsh, S.L. Yost, N.M. Perron, R. Martel, S. Jean, S. Taylor, C.A. Hayes, J. Ballard, M.R. Walsh, J.E. Mirecki, S. Downe, N.H. Collins, B. Porter, and R. Karn	ADA429132
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ERDC TR-05-2 Rep. 5	Apr 2005	Distribution and Fate of Energetics on DoD Test and Training Ranges; Interim Report 5, by J.C. Pennington, T.F. Jenkins, S. Thiboutot, G. Ampleman, J. Clausen, A.D. Hewitt, J. Lewis, M.R. Walsh, M.E. Walsh, T.A. Ranney, B. Silverblatt, A. Marois, A. Gagnon, P. Brousseau, J.E. Zufelt, K. Poe, M. Bouchard, R. Martel, D.D. Walker, C.A. Ramsey, C.A. Hayes, S.L. Yost, K.L. Bjella, L. Trepanier, T.E. Berry, D.J. Lambert, P. Dube, and N.M. Perron	ADA433648
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¹ ERDC TR-05-5	Sep 2005	Geospatial Risk Assessment Modeling System (GeoRAMS)	ADB313400
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¹ Limited distribution; see Preface.

ERDC TR-05-11	Dec 2005	Installation and Operation of the Automated Route Reconnaissance Kit (ARRK), by L.N. Lynch, J.M. Jackson, K. Fairley, J.L. Williamson, J.C. Ray, T.R. Stanton, T.C. Falls, B.T. Webb, J.L. Crockett, and J.F. Powell	ADA441367
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¹ ERDC TR-06-8	Sep 2006	Technology Requirements Study for a New Central Heating and Power Plant at Fort Wainwright, AK, by J.L. Vavrin, M.R. Kemme, W.T. Brown, V. Boddu, G.E. Phetteplace, D.L. Bonk, J. Westerman, R.T. Lorand, V. Vaysman, D. Stauffer, K. Hudson, M. DeLallo, and T. Buchanan	ADB325953
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¹ Limited distribution; see Preface.

ERDC TR-06-10	Oct 2006	Building Information Modeling (BIM): A Road Map for Implementation to Support MILCON Transformation and Civil Works Projects within the U.S. Army Corps of Engineers, by B.A. Brucker, M.P. Case, E.W. East, B.K. Huston, S.D. Nachtigall, J.C. Shockley, S.C. Spangler, and J.T. Wilson	ADA480246
ERDC TR-06-10 Sup. 2	Jan 2011	Building Information Modeling (BIM) Roadmap: Supplement 2 - BIM Implementation Plan for Military Construction Projects, Bentley Platform, by Bentley Systems, Inc.	ADA539810
ERDC TR-06-11	Oct 2006	Screening Level Ecological Risk Assessments of Some Military Munitions and Obscurant-related Compounds for Selected Threatened and Endangered Species, by K. Von Stackleberg, C. Amos, C. Butler, T. Smith, J. Famely, M. McArdle, B. Southworth, and J. Steevens	ADA467991
ERDC TR-06-12	Nov 2006	Distribution and Fate of Energetics on DoD Test and Training Ranges: Interim Report 6, by J.C. Pennington, T.F. Jenkins, G. Ampleman, S. Thiboutot, A.D. Hewitt, S. Brochu, J. Robb, E. Diaz, J. Lewis, H. Colby, R. Martel, K. Poe, K. Groff, K.L. Bjella, C.A. Ramsey, C.A. Hayes, S. Yost, A. Marois, A. Gagnon, B. Silverblatt, T. Crutcher, K. Harritz, K. Heisen, S.R. Bigl, T.E. Berry, Jr., J. Muzzin, D.J. Lambert, M.J. Bishop, B. Rice, M. Wojtas, M.E. Walsh, M.R. Walsh, and S. Taylor	ADA458384
ERDC TR-06-13	Nov 2006	Distribution and Fate of Energetics on DoD Test and Training Ranges: Final Report, by J.C. Pennington, T.F. Jenkins, G. Ampleman, S. Thiboutot, J.M. Brannon, A.D. Hewitt, J. Lewis, S. Brochu, E. Diaz, M.R. Walsh, M.E. Walsh, S. Taylor, J.C. Lynch, J. Clausen, T.A. Ranney, C.A. Ramsey, C.A. Hayes, C.L. Grant, C.M. Collins, S.R. Bigl, S. Yost, and K. Dontsova	ADA458391
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ERDC TR-07-1 Rep. 1	Jan 2007	Characterization and Fate of Gun and Rocket Propellant Residues on Testing and Training Ranges: Interim Report 1, by T.F. Jenkins, J.C. Pennington, G. Ampleman, S. Thiboutot, M.R. Walsh, E. Diaz, K.M. Dontsova, A.D. Hewitt, M.E. Walsh, S.R. Bigl, S. Taylor, D.K. MacMillan, J.L. Clausen, D. Lambert, N.M. Perron, M.C. Lapointe, S. Brochu, M. Brassard, R. Stowe, R. Farinaccio, A. Gagnon, A. Marois, D. Gilbert, D. Faucher, S. Yost, C. Hayes, C.A. Ramsey, R.J. Rachow, J.E. Zufelt, C.M. Collins, A.B. Gelvin, and S.P. Saari	ADA471046
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¹ ERDC TR-08-2	Feb 2008	Trafficability Cone Index Dataset, by D. Diemand, S.A. Shoop, G.L. Mason, P.M. Seman, and G.M. Brandon	ADB336348

¹ Limited distribution; see Preface.

¹ ERDC TR-08-3	Feb 2008	Port of Los Angeles: Inner Cabrillo Beach, Water Quality Improvement Project, by S.K. Martin, D.H. Tillman, W.C. Seabergh, R. McAdory, B.W. Bunch, M.J. Briggs, H. Acuff, and F.C. Carson	ADB337015
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¹ ERDC TR-08-6	Apr 2008	Circulation and Water Quality Modeling in Support of Deepening the Port of Los Angeles: Alternative Disposal Sites, by D.H. Tillman, R. McAdory, B.W. Bunch, S.K. Martin, M.J. Biggs, F.C. Carson, G. Savant, and N.K. Raphelt	ADB339195
ERDC TR-08-7	Jun 2008	Assessment of the Effectiveness of Clay Soil Covers as Engineered Barriers in Waste Disposal Facilities with Emphasis on Modeling Cracking Behavior, by E.S. Berney IV, W.D. Hodo, J.F. Peters, T.E. Myers, R.S. Olsen, and M.K. Sharp	ADA484170
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¹ ERDC TR-08-12	Dec 2008	Expectation Filtering to Improve Automated Mine Detection Systems: Concept Description and Preliminary Evaluation, by B. Sabol, W. Johnson, J.R. Fairley, G.M. Brandon, and B.D. Durst	

¹Limited distribution; see Preface.

¹ ERDC TR-09-1	Feb 2009	Protocol for Field Sampling of Soils to Support Soil-Sensor Technology and IED Blast-Phenomenology Modeling, by L.D. Wakeley, J.R. McKenna, J.R. Kelley, T.E. Berry, S.S. Jackson, S.G. Bourne, and E. Villanueva	
ERDC TR-09-2	Feb 2009	Permanent Seismically Induced Displacement of Rock-Founded Structures Computed by the Newmark Program, by R.M. Ebeling, M.T. Fong, D.E. Yule, A. Chase, Sr., and R.V. Kala	ADA494750
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¹ ERDC TR-09-5	May 2009	Actionable Cultural Understanding for Support to Tactical Operations (ACUSTO): Analysis of Text Mining for Socio-Cultural Data Extraction, by L.A. Whalley, W.D. Meyer, D.A. Krooks, T.K. Perkins, P.J. Guertin, J.L. Jarrett, M.K. Chawla, K. McGuire, and M.D. Ginsberg	
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¹ ERDC TR-09-7	Aug 2009	Protocol for Field Sampling of Soils to Support Three-Dimensional Modeling of Geo-environments and Soil-Sensor Interaction, by L.D. Wakeley, J.R. Kelley, T.E. Berry, S.S. Jackson, and S.G. Bourne	
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¹ ERDC TR-10-2	Mar 2010	Database of Properties of Iraq Soils, by L.D. Wakeley, S.S. Jackson, L. Walizer, and J.R. McKenna	

¹ Limited distribution; see Preface.

¹ ERDC TR-10-3	May 2010	Land Warrior Strike System: Results from Blast Load Simulator Experiments, by C.F. Johnson, L.L. Smith, D. Hollenbaugh, D. Copeland, and H. Lilienfield	
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¹ ERDC TR-10-6	Jul 2010	Military Utility Assessment of the Computer Aided Tele-Operation and Computer Aided Robotic Manipulation Technologies with the TALON IIIB, by C.T. Goodin, J.A. Nagle, S. Werkmeister, S.N. Decato, and A. Bodenhamer	
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¹ ERDC TR-10-10	Sep 2010	Dominguez Channel: Hydrodynamic and TMDL Tools, by G. Savant, D.H. Tillman, S.K. Martin, B.W. Bunch, R.T. McAdory, and M.J. Briggs	
¹ ERDC TR-10-11	Nov 2010	Development and Testing of Innovative Repair Materials for Blast Mitigation Application on Navigation Lock Walls, by C.A. Weiss, Jr., R.W. Haskins, B.H. Green, B.H. Sherwin, J. Morson, and A.M. Sutin	
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ERDC TR-11-1	Jan 2011	Tungsten Speciation in Firing Range Soils, by J.L. Clausen, B.C. Bostick, A. Bednar, J. Sun and J.D. Landis	ADA535133

¹ Limited distribution; see Preface.

ERDC TR-11-2	Jan 2011	Application of Long Distance Conveyance (LDC) of Dredged Sediments to Louisiana Coastal Restoration, by T. Welp and G. Ray	ADA536630
ERDC TR-11-4	Jul 2011	Erie Harbor, Pennsylvania, Channel Shoaling Analysis, by M. Zakikhani, D.W. Harrelson, M. Mohr, and S. Chader	ADA546701
ERDC TR-11-5	Jul 2011	Deformable Bullnose Energy Absorbing System (BEAS). Report 2: Head-On Impact with a Deformable BEAS and Introducing a Collapsible Arch, by R.M. Ebeling, B.C. White, R.W. Strom, J.E. Hite, Jr., B.C. Barker, and R.W. Haskins	ADA546504
¹ ERDC TR-11-6	Jul 2011	Military Utility Assessment of Standoff Explosive Detection System, by P.J. Durst, C.T. Goodin, J.A. Nagle, and S. Werkmeister	
¹ ERDC TR-11-7	Aug 2011	Active Seismic Imaging at San Luis, Arizona, in Support of Tunnel Detection, by S.D. Sloan, J.R. McKenna, S.W. Broadfoot, O.M. Metherny, R.D. Miller, S.L. Peterie, J. Ivanov, and L.D. Wakeley	
ERDC TR-11-8	Aug 2011	Risks to Navigation at the Matagorda Ship Channel Entrance, Texas, Phase 2: Evaluation of Significant Risk Factors, by S.T. Maynard, L. Lin, N.C. Kraus, D.W. Webb, G. Lynch, R.E. Wahl, D.A. Leavell, D.E. Yule, and J.B. Dunbar	ADA547402
¹ ERDC TR-11-9	Sep 2011	Distributing and Modeling Soil Properties in a Near-Surface Geologic Environment, by L.D. Wakeley, S.W. Broadfoot, B.D. Haugen, S.G. Bourne, C.A. Talbot, J.R. Kelley, S.S. Jackson, C. Roig-Silva, and J.R. McKenna	
ERDC TR-11-10	Sep 2011	PT123: A Multi-Dimensional Particle Tracking Computer Program, Version 1.0, by H. Cheng, M.W. Farthing, K.D. Winters, S.E. Howington, J.C. Cheng, and A. Hines	ADA552797
ERDC TR-11-11	Sep 2011	Field-portable Gas Chromatograph Mass Spectrometer (GC-MS) Unit for Semi-volatile Compound Analysis in Groundwater, by A.J. Bednar, A.L. Russell, T. Georgian, D. Splichal, C.A. Hayes, P. Tackett, W.T. Jones, D. Justes, L. Parker, R.A. Kirgan, and M. Wells	ADA553514
ERDC TR-12-1	Jan 2012	Evaluation of Sampling and Sample Preparation Modifications for Soil Containing Metallic Residues, by J.L. Clausen, T. Georgian, J. Richardson, A. Bednar, N. Perron, A. Bray, P. Tuminello, L. Penfold, D. Anderson, G. Gooch, T. Hall, W. Jones, S. Tazik, and E. Butterfield	ADA556161

¹ Limited distribution; see Preface.

¹ ERDC TR-12-2	Feb 2012	Overhead Coverage System - Large Rocket Protection: Full Scale Experiment, by C.D. Price, W.J. McCleave, R.N. Boone, T.R. Slawson, and C.E. Grey	ADB397428
¹ ERDC TR-12-3	Mar 2012	Military Utility Assessment of the Autonomous Robotic Countermining System 2 (ARCS2) with the Talon IIIB, by C. Goodin, J.A. Nagle, and S. Werkmeister	ADB395218
ERDC TR-12-4	Jun 2012	Fragility Analysis of a Concrete Gravity Dam Embedded in Rock and Its System Response Curve Computed by the Analytical Program GDLAD_Foundation, by R.M. Ebeling, M.T. Fong, J.L. Wibowo, and A. Chase, Sr.	ADA582505
ERDC TR-12-5	Apr 2012	Environmental Assessment During Intelligence Preparation of the Battlefield (IPB) - Evaluation of the TIC-Master Computer Program, by V.F. Medina, D.L. Brandon, K.J. Hay, D.S. Khona, H.K. Smith, and A.B. Morrow	ADA559632
¹ ERDC TR-12-6	Apr 2012	Automated Detailed Equipment Decontamination Advanced Technology Demonstration Baseline Experiment, by C. Goodin, J.A. Nagle, P.J. Durst, and M.K. Klaus	
ERDC TR-12-7	Aug 2012	The Quantification and Evolution of Resilience in Integrated Coastal Systems, by M.T. Schultz, S.K. McKay, and L.Z. Hales	ADA570387
ERDC TR-12-8	Aug 2012	Biopolymers as an Alternative to Petroleum-Based Polymers for Soil Modification; ESTCP ER-0920: Treatability Studies, by S.L. Larson, J.K. Newman, C.S. Griggs, M. Beverly, and C.C. Nestler	ADA565795
ERDC TR-12-9	Aug 2012	Towards Development of a Super Ceramic Composite - Initial Investigation into Improvement of Strength and Toughness of Polycrystalline Ceramics, by J.F. Peters, J.P. Allen, P.G. Allison, T.A. Carlson, M.Q. Chandler, C.F. Cornwell, B.D. Devine, F.C. Hill, N.J. Lee, C.P. Marsh, P.B. Stynoski, L. Walizer, and C.R. Welch	ADA570342
ERDC TR-12-10	Jun 2012	Index of Available Research on Military Impacts: Optimal Allocation of Land for Training and Non-training Uses, by M.E. Ricci, A.P. Dain-Owens, A.B. Anderson, R.A. Jones, H.R. Howard, A.M. Effinger, and J.S. Fehmi	ADA566092

¹ Limited distribution; see Preface.

ERDC TR-12-11	Sep 2012	Lake Michigan Bluff Dewatering and Stabilization Study - Allegan County, Michigan, by M.E. Glynn, R.B. Chase, A.E. Kehew, J.P. Selegan, M.G. Ferrick, and C.M. Hansen	ADA570013
ERDC TR-12-12	Sep 2012	Data Preparation Procedures for the ERDC High-Energy Large-Scale Blast Sound Propagation Experiment, by D.P. Valente, L. Ronsse, R.D. Serwy, J. Barr, K. Claffey, M.J. White, and M.E. Swearingen	
ERDC TR-12-13	Dec 2012	GEOTACS: Countermine Computational Testbed Results for an Undifferentiated Highlands Climatic Zone, Part 1. A Comparison of Field-collected Electro-optical/Infrared Imagery to Simulation Results from the Countermine Computational Testbed, Soil Model Only, by O.J. Eslinger, A.M. Hines, C. Winton, S.E. Howington, R. Goodson, R. Kala, J.R. Fairley, S. Price, and K. Elder	
ERDC TR-12-14	Dec 2012	Demonstration of a Rapid Energy Audit Procedure for use with an Army Sustainment Management System (SMS), by J.E. Karbarz and M.N. Grussing	ADA582697
ERDC TR-12-15	Dec 2012	ROOFER Inventory Procedures and Inspection Manual for Metal Panel Roofing, by D.M. Bailey, J.E. Karbarz, and K.E. Sweeton	ADA582971
ERDC TR-12-16	May 2012	Molecular Modeling of Chem-Bio (CB) Contaminant Sorption/Desorption and Reactions in Chlorinated Water Systems, by M.D. Ginsberg, V.F. Hock, M. Hurley, F. Hill, A. Aksimentiev, R.C. Carr, J.R. Comer, K.A. Guy, A. Beckman, M. Rivera-Sustache, A. Nelson, M. Page, A. Ehmann, and V.L. Van Blaricum	ADA614352
ERDC TR-13-1	Jan 2013	Rapid Evaluation Of Water Phoenix Portable Wastewater Treatment System, by J.I. Oren, R.T. Affleck, S.D. Hart, S.W. Maloney, C.M. Reynolds, D.B. Ringelberg, M.A. Page, and R.J. Scholze	
¹ ERDC TR-13-2	Feb 2013	Reststrahlen Studies at Yuma Proving Ground and China Lake, by S.E. Robert, G. Koh, and J.R. Fairley	ADB390384
ERDC TR-13-3	Jul 2013	Assessing Corrosion Damage and Corrosion Progression in Multistrand Anchor Systems in Use at Corps Projects, by R.M. Ebeling, R.W. Strom, J.E. Hite Jr., R.W. Haskins, and J.A. Evans	ADA582963
ERDC TR-13-4	Aug 2013	Small Wind Turbine Installation Compatibility Demonstration Methodology, by C. Ryerson, K. MacDonald, S. Rowley, W. Stein, D. Albert, G. Koenig, G. Koh, A. Song, C. Schadock, and J. Wagner	ADA585812

¹ Limited distribution; see Preface.

ERDC TR-13-5	Aug 2013	Incremental Sampling Methodology (ISM) for Metallic Residues. Project ER-0918, by J.L. Clausen, T. Georgian, and A. Bednar	ADA585469
ERDC TR-13-6	Sep 2013	Investigation of the Use of Geobags to Immobilize Submerged Munitions: A Report on the Concept, Development, and Testing, by B.W. Bunch, C.E. Ruiz, S.E. Bailey, W.A. Martin, R.S. Chapman, and P. Sheehan	ADA586172
ERDC TR-13-7	Aug 2013	Analysis Techniques, Materials, and Methods for Treatment of Thermal Bridges in Building Envelopes, by B.P. Barnes, A. Pagán-Vázquez, A.P. Heffron, B.B. Mehnert, M.P. Case, A. Kumar, J.L. Lattimore, R.J. Liesen, L.D. Stephenson, J.C. Trovillion, and J.B. Allen	ADA601818
ERDC TR-13-8	Sep 2013	Development of Parallel GSSHA, by P.R. Eller, J.C. Cheng, A.R. Byrd, C.W. Downer, and N. Pradhan	ADA586271
ERDC TR-13-9	Sep 2013	Demonstration of Incremental Sampling Methodology for Soil Containing Metallic Residues. Project ER-0918, by J.L. Clausen, T. Georgian, A. Bednar, N. Perron, A. Bray, P. Tuminello, G. Gooch, N. Mulherin, A. Gelvin, M. Beede, S. Saari, W. Jones, and S. Tazik	ADA584926
ERDC TR-13-10	Sep 2013	Cost and Performance Report of Incremental Sampling Methodology for Soil Containing Metallic Residues. Project ER-0918, by J.L. Clausen, T. Georgian, and A. Bednar	ADA586365
ERDC TR-13-11	Sep 2013	Laboratory Studies of Wave Attenuation through Artificial and Real Vegetation, by M.E. Anderson, J.M. Smith, D.B. Bryant, and R.G.W. McComas	ADA586333
ERDC TR-13-12	Sep 2013	Mississippi Coastal Improvements Program; Evaluation of Barrier Island Restoration Efforts, by T.V. Wamsley, E.S. Godsey, B.W. Bunch, R.S. Chapman, M.B. Gravens, A.S. Grzegorzewski, B.D. Johnson, D.B. King, R.L. Permenter, D.H. Tillman, and M.W. Tubman	ADA586360
ERDC TR-13-13	Sep 2013	Indigenous Construction Materials for Theater Facilities, by G. Al-Chaar, L.A. Whalley, J.T. Beckstrom, H.G. Anderson, R.T. Affleck, M. Carr, and J.S. Macpherson	ADA589483
ERDC TR-13-14	Oct 2013	Mobile Information Collection Application: Water Equipment Tracker (MICA:WET) Tool, by L.E. Curvey, R. Phillips, N.L. Potts, J. Stinson, and E. Roth	ADA590810

ERDC TR-13-15	Nov 2013	Development of a Coupled Framework for Simulating Interactive Effects of Frozen Soil Hydrological Dynamics in Permafrost Regions, by N.R. Pradhan, C.W. Downer, S. Marchenko, A. Liljedahl, T.A. Douglas, and A. Byrd	ADA588992
ERDC TR-13-16	Sep 2013	Asset Management and Facility Equipment Maintenance Nexus: Maintenance Effectiveness, by S.D. Foltz, C.B. Bislip-Morales, and E.A. Hammack	ADA601295
¹ ERDC TR-13-17	Dec 2013	Silicon Carbide Fiber-Reinforced Glass "Super Ceramic" Composite Preliminary Design and Predicted Properties, by C.R. Welch, J.B. Allen, C.F. Cornwell, T.A. Carlson, and C.P. Marsh	
ERDC TR-14-1	Feb 2014	Interaction between Brash Ice and Boat Propulsion Systems, by K.L. Haskins, Z.R. Courville, D.S. Sodhi, J.M. Stanley, L.J. Zabilansky, and J.M. Story	ADA596756
ERDC TR-14-2	Apr 2014	Composting Assessment for Organic Solid Waste at Fort Polk, Louisiana, by V.F. Medina, M. Wynter, S. Cosper, G. Rodriguez, D. Gebhart, S. Hunter, and P. Kemme	ADA599276
ERDC TR-14-3	May 2014	Anaerobic Digestion Assessment for Contingency Base Waste, by V.F. Medina, S. Waisner, S. Cosper, G. Rodriguez, D. Gilbert, R. Tucker, I. MacAllister, R. Scholze, J. Burken, and J. Wang	ADA601307
¹ ERDC TR-14-4	Jul 2014	ERDC Dismount Counter Improvised Explosive Device (CIED) Task Force Study, by J.R. Fairley, S.E. Robert, G.G. Koenig, Y.G. Koh, D.G. Albert, K.F. Jones, J.E. Fiori, N.J. Lamie, B.J. Jones, J.M. Stanley, E.S. Berney, IV, S.J. Price, R.V. Kala, D.P. McInnis, C.A. Barela, and R.D. Ellison	ADB401198
ERDC TR-14-5	Aug 2014	Storm-Water Sampling for Depleted Uranium at Makua Military Reservation, Oahu, Hawaii, by C.W. Downer, S.J. Trumbull, D.W. Harrelson, A.L. Bufkin, and N. Torres	
ERDC TR-14-6	Sep 2014	Comparison/Validation Study of Lattice Boltzmann and Navier Stokes for Various Benchmark Applications: Report 1 in "Discrete Nano-Scale Mechanics and Simulations" Series, by J.B. Allen, W.D. Hodo, L. Walizer, D.P. McInnis, A. Carrillo, B. Jelinek, D. Johnson, J. Peters, and S.D. Felicelli	ADA610898
ERDC TR-14-7	Sep 2014	Three-Dimensional Shallow-Water Adaptive Hydraulics (ADH-SW3): Hydrodynamic Verification and Validation, by G. Savant, R.C. Berger, T.O. McAlpin, and C.J. Trahan	ADA610237

¹ Limited distribution; see Preface.

ERDC TR-14-8	Mar 2015	Modeling of Waves, Hydrodynamics and Sediment Transport for Protection of Wetlands at Braddock Bay, New York, by Z. Demirbilek, L. Lin, E. Hayter, C. O'Connell, M. Mohr, S. Chader, and C. Forgette	ADA614136
ERDC TR-14-9	Sep 2014	Technical Guidelines on Performing a Sediment Erosion and Deposition Assessment (SEDA) at Superfund Sites, by E. Hayter, K. Gustavson, S. Ells, J. Gailani, J. Wolfe, T. Dekker, and T. Redder	ADA610123
ERDC TR-14-10	Oct 2014	Laboratory Evaluation of Expedient Low-Temperature Admixtures for Runway Craters in Cold Weather, by J.I. Oren, R.D. Moser, V. Boddu, C.A. Weiss, Jr., and J. Clausen	ADA610768
ERDC TR-14-11	Nov 2014	Ecological Modeling System: Conceptual Development and Design Specification, by T. Swannack, J. Westervelt, J. Hensley, and R. Kennedy	
ERDC TR-14-12	Dec 2014	Experimental Evaluation of the Failure of a Seismic Design Category - B Precast Concrete Beam-Column Connection System, by J.O. Torres-Alamo, V.P. Chiarito, and H.L. Blake	ADA613557
ERDC TR-15-1	Mar 2015	Field Biogeochemical Measurements in Support of Remote Sensing Signatures and Characterization of Permafrost Terrain: Integrated Technologies for Delineating Permafrost and Ground-State Conditions, by R.A. Barbato, J.E. Anderson, J.D. Edwards, K.L. Foley, C.M. Reynolds, and T.A. Douglas	ADA614441
ERDC TR-15-2	Jun 2015	High-Performance Plastic Sled Design for Polar Traversing, by J.C. Weale, J.H. Lever, and J. Trovillion	ADA619010
¹ ERDC TR-15-3	Aug 2015	DBA-105P Re-development, Sensitivity Studies on Oxidizer Chemistry and Slurry Mixing, by M.J. Roth, D.V. Senior, B.W. Bullock, D.C. Guynes, R.E. Magee, C.W. Ertle II, A.J. Bednar, and C.A. Hayes	
ERDC TR-15-4	Aug 2015	Hydrologic Analysis of Fort Leonard Wood, Missouri, by M.L. Follum, D.C. McVan, E.M. Jenicek, and M.P. Case	ADA620554
ERDC TR-15-5 Rep. 1	Aug 2015	Persistent Monitoring of Urban Infrasound Phenomenology. Report 1: Modeling an Urban Environment for Acoustical Analyses using the 3-D Finite-Difference Time-Domain Program PSTOP3D, by M.E. Pace, S.L. McComas, and M.H. McKenna	ADA621157

¹ Limited distribution; see Preface.

ERDC TR-15-6	Aug 2015	User's Manual for Armor Stone Evaluation Model (ARMOR): Great Lakes Armor Stone Study, by M. Zakikhani, D.W. Harrelson, A.L. Tillotson, and J.D. Ables	ADA620723
ERDC TR-15-7	Aug 2015	Investigation of Soil and Vegetation Characteristics in Discontinuous Permafrost Landscapes Near Fairbanks, Alaska, by J.F. Berkowitz, C.A. Hiemstra, and T.A. Douglas	ADA623196
ERDC TR-15-10	Nov 2015	Analysis of Operational Data: A Proof of Concept for Assessing Electrical Infrastructure Impact, by R.T. Affleck, J.M. Roningen, J.S. Macpherson, B. Tracy, and D.E. Voyadgis	ADA624478

2 Coastal and Hydraulics Laboratory (CHL)

Contract reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/CHL CR-01-1	Sep 2001	Channel Restoration Design for Meandering Rivers, by P.J. Soar and C.R. Thorne	ADA396990
ERDC/CHL CR-02-1 Rep. 1	Sep 2002	Humboldt Bay, California, Entrance Channel. Report 1: Data Review, by S.L. Costa and K.A. Glatzel	ADA409102
ERDC/CHL CR-05-1	Aug 2005	Waves, Currents, and Sediment Transport in the Surf Zone Along Long, Straight Beaches, by Y. Tajima and O.S. Madsen	ADA438823
ERDC/CHL CR-06-1	Jul 2006	Chesapeake Bay Breakwater Database Project, Section 227 Demonstration Site: Hurricane Isabel Impacts to Four Breakwater Systems, by C.S. Hardaway, Jr., D.A. Milligan, C.A. Wilcox, L.M. Meneghini, G.R. Thomas, and T.R. Comer	ADA453291
ERDC/CHL CR-07-1	Sep 2007	A Unified Sediment Transport Formulation for Coastal Inlet Application, by B. Camenen and M. Larson	ADA472064
ERDC/CHL CR-10-1	Jul 2010	State of Flood Related Modeling Along Middle Rio Grande: Report Documentary 2007-2008 Work, by J. Coonrod	ADA530200
ERDC/CHL CR-10-2	Aug 2010	Coupling of Hydrologic/Hydraulic Models and Aerial Photographs Through Time, Rio Grande Near Albuquerque, New Mexico: Report Documentary 2007 Work, by B. Swanson, G. Meyer, and J. Coonrod	ADA529438
ERDC/CHL CR-10-3	Sep 2010	Rio Grande Lidar Bank Erosion Monitoring: Preliminary 2007-2008 Results and Survey Design Considerations, by T.F. Wawrzyniec, J.D. Frechette, J. Coonrod, and J. Stormont	ADA527914
ERDC/CHL CR-10-4	Sep 2010	Evapotranspiration, Water Table Fluctuations, and Riparian Restoration: Report Documentary 2007-2008 Work, by J.R. Cleverly, K. Vanderbilt, C. Dahm, J.R. Thibault, and M.C. Martinet	ADA528082
ERDC/CHL CR-11-1	May 2011	Investigating Groundwater/Surface Water Interaction at Diversion Dam Site: Report Documentary 2007-2008, by J. Coonrod, C. Crawford, J. Stormont, C. LeJeune, and I. Pedro	

ERDC/CHL CR-15-1	Jun 2015	Three-Dimensional Shallow Water Adaptive Hydraulics (ADH-SW3): Turbulence Closure, by G. Savant	ADA620180
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Letter reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	
¹ ERDC/CHL LR-15-1	Mar 2015	Scour Model Study for Proposed Pier Extensions, by J.A. Sharp, R.E. Heath, H.E. Park and D.P. May	
¹ ERDC/CHL LR-15-2	Mar 2015	Two-Dimensional Model Study of Santa Ana River Railroad Bridge Pier Extensions, by J.A. Sharp and R.E. Heath	
¹ ERDC/CHL LR-15-3	Apr 2015	A Flood Analysis of the Niger River and Major Tributaries in Africa, by W.C. LaHatte, M.R. Jourdan, and J.D. Ellis	
¹ ERDC/CHL LR-15-4	Apr 2015	Aswan High Dam - Dam Breach Study, by J. Ellis and M.R. Jourdan	
ERDC/CHL LR-15-6	Nov 2015	Tuttle Creek Dam Siphon Dredging Investigation, by B.C. McFall and T.L. Welp	
ERDC/CHL LR-15-7	Nov 2015	Evaluating Sediment Mobility for Milford, CT Nearshore Placement, by B.E. McFall, C.E. Pollock, and K.E. Brutsche	
¹ ERDC/CHL LR-15-8	Dec 2015	Savannah Ocean Dredged Material Disposal Site: Waves, Currents and Water Level Data Summary, by E.R. Smith	

Special reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/CHL SR-00-1	Mar 2000	Site Visit and Evaluation of New Cremona Lock Filling and Emptying System	ADA375857
ERDC/CHL SR-00-2	Jun 2000	Channel Stability Problems, Iao Stream, Maui, Hawaii: U.S. Army Engineer Committee on Channel Stabilization Report of the 64th Meeting—September 1999, Edited by R.R. Copeland and D.N. McComas	ADA379413

¹ Limited distribution; see Preface.

ERDC/CHL SR-00-3	Aug 2000	Channel Stability Problems, Pajaro River, Watsonville and Pajaro, California: U.S. Army Engineer Committee on Channel Stabilization Report of the 63rd Meeting, Edited by R.R. Copeland and D.N. McComas	ADA381913
ERDC/CHL SR-01-1	Feb 2001	STWAVE: Steady-State Spectral Wave Model User's Manual for STWAVE, Version 3.0, by J.M. Smith, A.R. Sherlock, and D.T. Resio	ADA388197
ERDC/CHL SR-06-1	Sep 2006	Gridded Surface Subsurface Hydrologic Analysis (GSSHA) User's Manual: Version 1.43 for Watershed Modeling System 6.1, by C.W. Downer and F.L. Ogden	ADA455335
ERDC/CHL SR-06-2	Sep 2006	Navigation Lock and Dam Inspection and Emergency Repairs Workshop Summary, by J.E. Hite, Jr., J.E. Clausner, and D.N. McComas, editors	
ERDC/CHL SR-07-1	Sep 2007	Theoretical Underpinnings of the Other Social Effects Account, by C.M. Dunning and S. Durden	ADA471773
ERDC/CHL SR-09-2	Aug 2009	Hurricane Ivan Nearshore Wave Data, Perdido Pass, Alabama, by M.A. Sabol, J.P. McKinney, and L. Lillycrop	ADA508612
ERDC/CHL SR-09-6	Aug 2009	Beach-fx User's Manual: Version 1.0, by C.M. Rogers, K.A. Jacobson, and M. Gravens	ADA508629
ERDC/CHL SR-11-1	Sep 2011	STWAVE: Steady-State Spectral Wave Model User's Manual for STWAVE, Version 6.0, by T.C. Massey, M.E. Anderson, J.M. Smith, J. Gomez, and R. Jones	ADA550608
ERDC/CHL SR-15-1	Mar 2015	GenCade Version 1 Quick-Start Guide: How to Start a Successful GenCade Project, by S. Munger and A.E. Frey	ADA614444
ERDC/CHL SR-15-2	Mar 2015	Conceptual Regional Sediment Budget for USACE North Atlantic Division, by J.D. Rosati, A.E. Frey, A.S. Grzegorzewski, C.K. Maglio, A. Morang, and R.C. Thomas	ADA614647
ERDC/CHL SR-15-3	Jul 2015	Technical Basis for Flood Protection at Nuclear Power Plants, by J.R. Leech, L.L. Wehmeyer, D.A. Margo, L.T. Lee, A.R. Byrd, and D.L. Ward	ADA621451

Technical notes

Section I – Waves and coastal flooding

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/CHL CHETN-I-64	Sep 2001	Modeling Nearshore Wave Transformation with STWAVE, by J.M. Smith
ERDC/CHL CHETN-I-65	Jun 2002	Comparisons of Physical and Numerical Model Wave Predictions with Prototype Data at Morro Bay Harbor Entrance, California, by R.R. Bottin, Jr. and E.F. Thompson
ERDC/CHL CHETN-I-66	Jun 2002	Grid Nesting with STWAVE, by J.K. Smith and S.J. Smith
ERDC/CHL CHETN-I-67	Jun 2003	Tedious Creek Small Craft Harbor: CGWAVE Model Comparisons Between Existing and Authorized Breakwater Configurations, by M.J. Briggs, B.P. Donnell, Z. Demirbilek and R.D. Carver
ERDC/CHL CHETN-I-68	Mar 2004	How to Use CGWAVE with SMS: An Example for Tedious Creek Small Craft Harbor, by M.J. Briggs, B.P. Donnell, and Z. Demirbilek
ERDC/CHL CHETN-I-69	Mar 2005	BOUSS-2D Wave Model in SMS: 1. Graphical Interface, by Z. Demirbilek, A. Zundel, and O. Nwogu
ERDC/CHL CHETN-I-70	May 2005	BOUSS-2D Wave Model in SMS: 2. Tutorial with Examples, by Z. Demirbilek, A. Zundel, and O. Nwogu
ERDC/CHL CHETN-I-71	Mar 2006	Full Plane STWAVE: SMS Graphical Interface, by J.M. Smith and A. Zundel
ERDC/CHL CHETN-I-72	Aug 2006	Ship Squat Predictions for Ship/Tow Simulator, by M.J. Briggs
ERDC/CHL CHETN-I-73	May 2007	Infra-Gravity Wave Input Toolbox (IGWT): User's Guide, by Z. Demirbilek, O.G. Nwogu, and A.K. Zundel
ERDC/CHL CHETN-I-74	May 2007	WABED Model in the SMS: Part 2, Graphical Interface, by Z. Demirbilek, L. Lin and A. Zundel
ERDC/CHL CHETN-I-75	Aug 2007	Full-Plane STWAVE with Bottom Friction: II, Model Overview, by J.M. Smith
ERDC/CHL CHETN-I-76	Aug 2007	Modeling Nearshore Waves for Hurricane Katrina, by J.M. Smith

ERDC/CHL CHETN-I-77	Jul 2009	Influence of Marsh Restoration and Degradation on Storm Surge and Waves, by T.V. Wamsley, M.A. Cialone, J. Westerink, and J.M. Smith
ERDC/CHL CHETN-I-78	Jul 2009	Idealized Marsh Simulations: Sensitivity of Hurricane Surge Elevation and Wave Height to Seabed Elevation, by N.M. Loder, M.A. Cialone, J.L. Irish, and T.V. Wamsley
ERDC/CHL CHETN-I-79	Jul 2009	Idealized Marsh Simulations: Sensitivity of Hurricane Surge Elevation and Wave Height to Bottom Friction, by N.M. Loder, M.A. Cialone, J.L. Irish, and T.V. Wamsley
ERDC/CHL CHETN-I-80	Jul 2009	Idealized Marsh Simulations: Sensitivity of Hurricane Surge Elevation and Wave Height to Marsh Continuity, by N.M. Loder, M.A. Cialone, J.L. Irish, and T.V. Wamsley
ERDC/CHL CHETN-I-81	Jul 2010	TWAVE Users Guide with Example Application to Oahu, Hawaii, by J. Goo, Z. Demirebilek, and J. Smith, and A. Sanchez
ERDC/CHL CHETN-I-82	Sep 2011	Wave Dissipation by Vegetation, by M.E. Anderson, J.M. Smith, and S.K. McKay
ERDC/CHL CHETN-I-84	Feb 2012	HAKOU v3: SWIMS Hurricane Inundation Fast Forecasting Tool for Hawaii, by J.M. Smith, M.E. Anderson, A.A. Taflanidis, A.B. Kennedy, J.J. Westerink, and K.F. Cheung
ERDC/CHL CHETN-I-85	Feb 2015	Implementation of Wave Dissipation by Vegetation in STWAVE, by M.E. Anderson and J.M. Smith
ERDC/CHL CHETN-I-86	Jul 2015	Computer-Based Model Calibration and Uncertainty Analysis: Terms and Concepts, by A. Sanchez, B. Skahill, W. Scharffenberg, and C.H. Smith
ERDC/CHL CHETN-I-87	Jul 2015	Introduction to Phase-Resolving Wave Modeling with FUNWAVE, by M. Malej, J.M. Smith, and G. Salgado-Dominguez

Section II – Beach behavior and restoration

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/CHL CETN-II-41	Dec 1999	Sand Bypassing Cost and Performance Database, by J.E. Clausner
ERDC/CHL CETN-II-42	Dec 1999	An Analytical Model to Predict the Response of Mounds Placed in the Offshore, by M. Larson and B.A. Ebersole

ERDC/CHL CETN-II-43	Jun 2000	Sediment transport Analysis from OBS/EMCM during Storms, by J.Z. Gailani and S.J. Smith
ERDC/CHL CHETN-II-44	Sep 2001	Beach Erosion Hot Spots: Types, Causes, and Solutions, by N.C. Kraus and F.A. Galgano
ERDC/CHL CHETN-II-45	Mar 2002	Wave Transmission at Detached Breakwaters for Shoreline Response Modeling, by T. Wamsley, H. Hanson, and N.C. Kraus
ERDC/CHL CHETN-II-46	Mar 2002	Longshore Sand Transport - Initial Results from Large-Scale Sediment Transport Facility, by P. Wang, B.A. Ebersole, and E.R. Smith
ERDC/CHL CHETN-II-47	Mar 2004	Identification of and Remedial Approaches to Hot Spots, by D.K. Stauble and M.B. Gravens
ERDC/CHL CHETN-II-48	Nov 2005	Influence of Grain Size on Sediment Transport Rates with Emphasis on the Total Longshore Rate, by D.B. King, Jr.
ERDC/CHL CHETN-II-49	Jan 2006	Sheldon Marsh – Section 227 Demonstration Project – Physical Model Study, by S.A. Chader, M.C. Mohr, A. Morang, D. Ward, and W.R. Curtis
ERDC/CHL CHETN-II-50	Sep 2006	Geotextile Tube Structures Guidelines for Contract Specifications, by D.L. Jones, J.E. Davis, W.R. Curtis, and C.E. Pollock
ERDC/CHL CHETN-II-51	Jan 2008	Interaction of Shore-Parallel Geotextile Tubes and Beaches along the Upper Texas Coast, by D.J. Heilman, M.C. Perry, R.C. Thomas, and N.C. Kraus
ERDC/CHL CHETN-II-52	Jul 2010	Emergency Beach-Fill Procedures: Lessons Learned From 2004 Hurricane Season, by D. Haubner, R. McMillen, M. Chasten, L. Lillycrop, and G. Williams
ERDC/CHL CHETN-II-53	Jun 2011	Planning Regional Flood and Coastal Erosion Foresight Studies, by M.T. Schultz, S.E. Durden, P.B. Sayers, B.P. Gouldby, J.D. Simm, W.R. Curtis, and J.E. Davis
ERDC/CHL CHETN-II-54	Jan 2012	First Year Morphological Evolution of an Artificial Berm at Fort Myers Beach, Florida, by K.E. Brutsche and P. Wang

ERDC/CHL CHETN-II-55	Dec 2013	Shoreline Change Modeling Using One- Line Models: General Model Comparison and Literature Review, by R.C. Thomas and A.E. Frey
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Section III – Coastal structures

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/CHL CHETN-III-64	Dec 2005 REV	Damage Development on Stone-Armored Breakwaters and Revetments, by J.A. Melby
ERDC/CHL CHETN-III-65	Mar 2003	Periodic Inspections of Coastal Structures with Stone Armor, by R.R. Bottin, Jr.
ERDC/CHL CHETN-III-66	Jun 2003	Periodic Inspections of Concrete-Armored Coastal Structures, by R.R. Bottin, Jr.
ERDC/CHL CHETN-III-67	Sep 2003	Wave Momentum Flux Parameter for Coastal Structure Design, by S.A. Hughes
ERDC/CHL CHETN-III-68	Sep 2003	Estimating Irregular Wave Runup on Smooth, Impermeable Slopes, by S.A. Hughes
ERDC/CHL CHETN-III-69	Mar 2004	Effectiveness of Pocket-Wave Absorbers in Vertical-Wall, Coastal Entrance Structures, by E.F. Thompson, R.R. Bottin, Jr., and J.P. Seleguean
ERDC/CHL CHETN-III-70	Jul 2005	Estimating Irregular Wave Runup on Rough, Impermeable Slopes, by S.A. Hughes
ERDC/CHL CHETN-III-71	Dec 2005	Breakwater and Revetment Armor Stability, by J.A. Melby
ERDC/CHL CHETN-III-72	Feb 2006	Uses for Marine Mattresses in Coastal Engineering, by S.A. Hughes
ERDC/CHL CHETN-III-73	Jul 2006	Wave-Action Balance Equation Diffraction (WABED) Model: Tests of Wave Diffraction and Reflection at Inlets, by L. Lin, H. Mase, F. Yamada, and Z. Demirebilek
ERDC/CHL CHETN-III-74	Aug 2006	Effect of Armoring a Cohesive Nearshore with a Thin Cobble Lag, Shoreham, Michigan, by M. Dibajnia, J. Selgean, and A. Morang
ERDC/CHL CHETN-III-75	Jan 2007	Irregular Wave Forces on Heavily Overtopped Thin Vertical Walls, by S.A. Hughes

ERDC/CHL CHETN-III-76	Jun 2007	A GSSHA Model of the Perris Basin of the San Jacinto River Watershed, Riverside County, California, by M.T. Fong, C.W. Downer, and A.R. Byrd
ERDC/CHL CHETN-III-77	Jan 2008	Estimation of Overtopping Flow Velocities on Earthen Levees Due to Irregular Waves, by S.A. Hughes
ERDC/CHL CHETN-III-78	May 2008	Estimation of Combined Wave and Storm Surge Overtopping at Earthen Levees, by S.A. Hughes
ERDC/CHL CHETN-III-79	Jan 2009	Shear Stress Estimates for Combined Wave and Surge Overtopping at Earthen Levees, by N.C. Nadal and S.A. Hughes
ERDC/CHL CHETN-III-80	Aug 2010	A Review of Coastal Navigation Asset Management Initiatives Within the Coastal Inlets Research Program (CIRP) Part 1: Coastal Structures, by K.N. Mitchell

Section IV – Inlets and estuary channels

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/CHL CHETN-IV-12 REV	Dec 2000	Where and Why Inlet Channels Shoal: A Conceptual Geomorphic Framework, by J. Pope
ERDC/CHL CHETN-IV-21	Dec 1999	Surface-Water Modeling System Tidal Constituents Toolbox for ADCIRC, by A. Militello and A.K. Zundel
ERDC/CHL CHETN-IV-22	Dec 1999	Shoal-Reduction Strategies for Entrance Channels, by J.D. Rosati and N.C. Kraus
ERDC/CHL CHETN-IV-23	Mar 2000	Hydraulic Processes Analysis System (HyPAS), by T.C. Pratt and D.S. Cook
ERDC/CHL CHETN-IV-24	Mar 2000	Field Data Collection at Coastal Inlets, by T.C. Pratt, T.L. Fagerburg, and D.C. McVan
ERDC/CHL CHETN-IV-25	Jun 2000	Enhancements of the Numerical Model of the Longshore Current NMLONG to Include Interaction Between Currents and Waves (NMLong-CW), by M. Larson and N.C. Kraus
ERDC/CHL CHETN-IV-26	Jun 2000	Simulation of Current-Induced Scour in Movable-Bed Inlet Models, by S.A. Hughes
ERDC/CHL CHETN-IV-27	Sep 2000	Reresentation of Hydrodynamic Model Results through Graphical Displays, by M.S. Gosselin, R.B. Taylor, and K.R. Craig

ERDC/CHL CHETN-IV-28	Sep 2000	Introduction to the Diagnostic Modeling System (DMS), by N.C. Kraus
ERDC/CHL CHETN-IV-29	Sep 2000	Circulation Patterns at Tidal Inlets with Jetties, by A. Militello and S.A. Hughes
ERDC/CHL CHETN-IV-30	Dec 2000	Natural Mechanisms of Sediment Bypassing at Tidal Inlets, by D.M. FitzGerald, N.C. Kraus, and E.B. Hands
ERDC/CHL CHETN-IV-31	Dec 2000	Database of Inlet Navigation Projects and Structures, by S.A. Hughes
ERDC/CHL CHETN-IV-32	Jun 2001	Leaky Internal-Barrier Normal-Flow Boundaries in the ADCIRC Coastal Hydrodynamics Code, by J.J. Westerink, R.A. Luettich, and A. Militello
ERDC/CHL CHETN-IV-33	Jun 2001	Morphologic Asymmetries at Entrances to Tidal Inlets, by E.E. Carr and N.C. Kraus
ERDC/CHL CHETN-IV-34	Jun 2001	Estimation of Suspended Sediment Trapping Ratio for Channel Infilling and Bypassing, by M. Larson and N.C. Kraus
ERDC/CHL CHETN-IV-35	Jun 2001	Mathematical Model for Rapid Estimation of Infilling and Sand Bypassing at Inlet Entrance Channels, by N.C. Kraus and M. Larson
ERDC/CHL CHETN-IV-36	Jun 2001	Chronic Beach Erosion Adjacent to Inlets and Remediation by Composite (T-Head) Groins, by H. Hanson and N.C. Kraus
ERDC/CHL CHETN-IV-37	Sep 2001	A GIS Based Tool for Extracting Shoreline Positions from Aerial Imagery (BeachTools), by R.K. Hoeke, G.A. Zarillo, and M. Synder
ERDC/CHL CHETN-IV-38	Sep 2001	Field Data Recovery in Tidal System Using Artificial Neural Networks (ANNs), by B.B. Hsieh and T.C. Pratt
ERDC/CHL CHETN-IV-39	Mar 2002	Reservoir Model for Calculating Natural Sand Bypassing and Change in Volume of Ebb-Tidal Shoals, Part I: Description, by N.C. Kraus
ERDC/CHL CHETN-IV-40	Mar 2002	Guidelines for Using Eastcoast 2001 Database of Tidal Constituents within Western North Atlantic Ocean, Gulf of Mexico and Caribbean Sea, by A.Y. Mukai, J.J. Westerink, and R.A. Luettich
ERDC/CHL CHETN-IV-41	Jun 2002	SMS Steering Module for Coupling Waves and Currents, 1: ADCIRC and STWAVE, by A.K. Zundel, M.A. Cialone, and T.J. Moreland

ERDC/CHL CHETN-IV-42	Jun 2002	Coupling of Regional and Local Circulation Models ADCIRC and M2D, by A. Militello and A.K. Zundel
ERDC/CHL CHETN-IV-43	Jun 2002	SHOALS Toolbox: Software to Support Visualization and Analysis of Large, High-Density Data Sets, by J.M. Wozencraft, W.J. Lillycrop, and N.C. Kraus
ERDC/CHL CHETN-IV-44	Jun 2002	Inlet Spits and Maintenance of Navigation Channels, by N.C. Kraus and W.C. Seabergh
ERDC/CHL CHETN-IV-45	Jun 2002	Comparison of Predicted and Measured Shoaling at Morro Bay Harbor Entrance, California, by E.F. Thompson, I.P. DiRamos, and R.R. Bottin, Jr.
ERDC/CHL CHETN-IV-46	Jun 2002	Deployment of Oceanographic Instruments in High-Energy Environments and Near Structures, by P.D. Osborne, D.B. Hericks, and N.C. Kraus
ERDC/CHL CHETN-IV-47	Jun 2002	Tidal Velocity Asymmetry at Inlets, by T. Walton
ERDC/CHL CHETN-IV-48	Sep 2002	Estimating Along-Channel Flow and Sediment Transport at Tidal Entrances — EbbJet Calculator, by M.S. Gosselin and K.R. Craig
ERDC/CHL CHETN-IV-49	Sep 2002	Video-Based Wave Direction Measurements in a Scale Physical Model, by W.R. Curtis, K.K. Hathaway, K.T. Holland, and W.C. Seabergh
ERDC/CHL CHETN-IV-50	Sep 2002	Quantifying Potential Measurement Errors and Uncertainties Associated with Bathymetric Change Analysis, by M.R. Byrnes, J.L. Baker, and F. Li
ERDC/CHL CHETN-IV-51	Sep 2002	Inlets Online: A Tutorial for Evaluating Inlet/Beach Processes Using Aerial Photography, by M.R. Byrnes, F. Li, and J.D. Rosati
ERDC/CHL CHETN-IV-52	Sep 2002	Inner-Bank Erosion Processes and Solutions at Coastal Inlets, by W.C. Seabergh
ERDC/CHL CHETN-IV-53	Dec 2002	Weir Jetties at Coastal Inlets: Part 1, Functional Design Considerations, by W.C. Seabergh
ERDC/CHL CHETN-IV-54	Dec 2002	Weir Jetties at Coastal Inlets: Part 2, Case Studies, by W.C. Seabergh and L.J. Thomas
ERDC/CHL CHETN-IV-55	Mar 2003	CHL Precision Flow Table—Description and Applications, by S.A. Hughes

ERDC/CHL CHETN-IV-56	Mar 2003	Coastal Barrier Breaching, Part 1: Overview of Breaching Processes, by N.C. Kraus and T.V. Wamsley
ERDC/CHL CHETN-IV-57	Mar 2003	Human-Induced Changes in Back-Barrier Environments as Factors in Tidal Inlet Instability with Emphasis on Florida, by R.A. Davis, Jr. and G.A. Zarillo
ERDC/CHL CHETN-IV-58	Mar 2003	Application of an Artificial Neural Network to Predict Tidal Currents in an Inlet, by W. Huang and C. Murray
ERDC/CHL CHETN-IV-59	Mar 2003	Uncertainty in Bathymetric Surveys, by S. Johnston
ERDC/CHL CHETN-IV-60	Dec 2003	SMS Steering Module for Coupling Waves and Currents, 2: M2D and STWAVE, by A. Militello and A.K. Zundel
ERDC/CHL CHETN-IV-61	Dec 2003	Jetty Spurs at Coastal Inlets for Reduction of Navigation Channel Shoaling, by W.C. Seabergh and J. Krock
ERDC/CHL CHETN-IV-62	Sep 2004	Dependence of Total Longshore Sediment Transport Rates on Incident Wave Parameters and Breaker Type, by E.R. Smith, B.A. Ebersole, and P. Wang
ERDC/CHL CHETN-IV-63	May 2005	Representation of Nonerodible (Hard) Bottom in Two-Dimensional Morphology Change Models, by H. Hanson and A. Militello
ERDC/CHL CHETN-IV-64	Jun 2005	Coastal Inlet Navigation Channel Shoaling with Deepening and Widening, by J.D. Rosati
ERDC/CHL CHETN-IV-65	Aug 2005	Coastal Barrier Island Breaching, Part 2: Mechanical Breaching and Breach Closure, by T.V. Wamsley and N.C. Kraus
ERDC/CHL CHETN-IV-66	Feb 2006	Jetty Spur Functional Design at Coastal Inlets: Effects on Nearshore Circulation and Potential Sediment Movement, by W.C. Seabergh
ERDC/CHL CHETN-IV-67	Feb 2006	Frequently-Asked Questions (FAQs) About Coastal Inlets and U.S. Army Corps of Engineers' Coastal Inlets Research Program (CIRP), by S.A. Hughes and N.C. Kraus
ERDC/CHL CHETN-IV-68	Aug 2006	Sand Waves That Impede Navigation of Coastal Inlet Navigation Channels, by S.J. Whitmeyer and D. FitzGerald

ERDC/CHL CHETN-IV-69	Jul 2007	Tips for Developing Bathymetry Grids for Coastal Modeling System Applications, by M.E. Brown and N.C. Kraus
ERDC/CHL CHETN-IV-70	May 2008	Concept Design for Emergency Closure System for Inland Navigation Structures, by J.E. Hite Jr.
ERDC/CHL CHETN-IV-71	Jul 2008	Particle Tracking Model (PTM) in the SMS10: IV, Link to Coastal Modeling System, by Z. Demirbilek, K.J. Connell, N.J. MacDonald, and A.K. Zundel
ERDC/CHL CHETN-IV-72	Aug 2008	Interactions Between Wetlands and Tidal Inlets, by A. Sanchez
ERDC/CHL CHETN-IV-73	Sep 2008	A GIS Based Tool for Extracting Shoreline Positions from Aerial Imagery (BeachTools) Revised, by G.A. Zarillo, J. Kelley, and V. Larson
ERDC/CHL CHETN-IV-74	Sep 2009	Concepts for Functional Restoration of Barrier Islands, by J.D. Rosati
ERDC/CHL CHETN-IV-75	May 2010	Proactive Strategy for “Dredge-Ready” Operation and Maintenance at Low-Use Navigation Projects, by H.T. Arden and N.C. Kraus
ERDC/CHL CHETN-IV-76	Jul 2010	CMS-Wave Model: Part 3, Grid Nesting and Application Example for Rhode Island South Shore Regional Sediment Management Study, by L. Lin, I Watts, and Z. Demirbilek
ERDC/CHL CHETN-IV-77	Aug 2010	Concepts and Applications of Water Transport Time Scales for Coastal Inlet Systems, by H. Li
ERDC/CHL CHETN-IV-78	Jan 2011	Applying Particle Tracking Model in the Coastal Modeling System, by H. Li, L. Lin, and M.E. Brown
ERDC/CHL CHETN-IV-79	Apr 2011	CMS-Wave Model: Part 4, An Automated Procedure for CMS-Wave in Resource-Demanding Applications, by M.E. Anderson, L. Lin, and Z. Demirbilek
ERDC/CHL CHETN-IV-80	Jan 2012	Salinity Calculations in the Coastal Modeling System, by H. Li, C.W. Reed, and M.E. Brown
ERDC/CHL CHETN-IV-81	Apr 2012	CMS-Wave Model: Part 5, Full-plane Wave Transformation and Grid Nesting, by L. Lin, J. Rosati, III, and Z. Demirbilek
ERDC/CHL CHETN-IV-82	Apr 2012	Use of the PTM with CMS Quadtree Grids, by H. Li and N. MacDonald

ERDC/CHL CHETN-IV-83	Aug 2012	WaveNet: A Web-Based Metocean Data Access, Processing and Analysis Tool, by D. Wilson, J. Rosati, Z. Demirbilek, and L. Lin
ERDC/CHL CHETN-IV-84	Aug 2012	Coupled BOUSS-2D and CMS-Wave Modeling Approach for Harbor Projects, by L. Lin and Z. Demirbilek
ERDC/CHL CHETN-IV-85	Aug 2012	GenCade Application at Onslow Bay, North Carolina, by A.E. Frey, S. Munger, G.L. Williams, M.J. Wutkowski, and K.B. Conner
ERDC/CHL CHETN-IV-86	Sep 2012	New Gridded Surface Subsurface Hydrologic Analysis Model Computer-based Calibration Capabilities, by B.E. Skahill and C.W. Downer
ERDC/CHL CHETN-IV-87	Jan 2013	Practice Driven and State-of-the-art Methods to Quantify Hydrologic Model Uncertainty, by B.E. Skahill
ERDC/CHL CHETN-IV-88	Mar 2013	AutoRoute Rapid Flood Inundation Model, by M.L. Follum
ERDC/CHL CHETN-IV-89	Aug 2013	Initial Morphologic Evolution of Perdido Key Berm Nourishment, Florida, by P. Wang, K.E. Brutsche, T.M. Beck, J.D. Rosati, and L.S. Lillycrop
ERDC/CHL CHETN-IV-90	Aug 2013	The Sediment Budget Calculator: A Webtool to Develop a Family of Viable Inlet and Adjacent Beach Sediment Budget Solutions, by J.D. Rosati, C.A. Sumner, and D.A. Wilson
ERDC/CHL CHETN-IV-91	Aug 2013	TideNet: A Web-based Tidal Data Access, Processing and Analysis Tool, Part 1 – NWS Tidal Database, by Z. Demirbilek, L. Lin, D. Wilson, and J. Rosati
ERDC/CHL CHETN-IV-92	Aug 2013	WaveNet: A Web-Based Metocean Data Access, Processing and Analysis Tool, Part 2 – WIS Database, by Z. Demirbilek, L. Lin, D. Wilson, and J. Rosati
ERDC/CHL CHETN-IV-93	Aug 2013	Implementation of Structures in the CMS: Part I, Rubble Mound, by H. Li, A. Sanchez, W. Wu, and C. Reed
ERDC/CHL CHETN-IV-94	Aug 2013	Implementation of Structures in the CMS: Part II, Weir, by H. Li, A. Sanchez, W. Wu, and C. Reed
ERDC/CHL CHETN-IV-95	Aug 2013	Implementation of Structures in the CMS: Part III, Culvert, by H. Li, A. Sanchez, W. Wu, and C. Reed

ERDC/CHL CHETN-IV-96	Aug 2013	Implementation of Structures in the CMS: Part IV, Tide Gate, by H. Li, A. Sanchez, and W. Wu
ERDC/CHL CHETN-IV-97	Sep 2013	Wave Data Processing and Analysis Tools for Developing Wave Boundary Forcing for CMS-Wave and GenCade Numerical Models: Part 1, by K.J. Connell and R. Permenter
ERDC/CHL CHETN-IV-98	Sep 2013	Wave Data Processing and Analysis, Part 2: Codes for Coupling GenCade and CMS-Wave, by R. Permenter, K.J. Connell and R. Permenter
ERDC/CHL CHETN-IV-99	Jun 2014	WaveNet: A Web-Based Metocean Data Access, Processing and Analysis Tool; Part 4 – GLOS/GLCFS Database, by Z. Demirbilek, L. Lin, and D. Wilson
ERDC/CHL CHETN-IV-100	Jun 2014	WaveNet: A Web-Based Metocean Data Access, Processing, and Analysis Tool; Part 3 – CDIP Database, by Z. Demirbilek, L. Lin, and D. Wilson
ERDC/CHL CHETN-IV-101	Sep 2014	Efficient Use of Prior Information to Calibrate the Gridded Surface Subsurface Hydrologic Analysis (GSSHA) Hydrology Model, by B.E. Skahill and C.W. Downer
ERDC/CHL CHETN-IV-102	Sep 2014	Shoreline Change Modeling Using One-Line Models: Application and Comparison of GenCade, Unibest, and Litpack, by K.E. Townsend, R.C. Thomas, and A.E. Frey
ERDC/CHL CHETN-IV-103	Feb 2015	WaveNet: A Web-Based Metocean Data Access, Processing and Analysis Tool; Part 5 – WW3 Database, by Z. Demirbilek, L. Lin, D. Wilson, and J. Rosati
ERDC/CHL CHETN-IV-104	Aug 2015	Automated Method to Develop a Clark Synthetic Unit Hydrograph within ArcGIS, by M. Follum
ERDC/CHL CHETN-IV-105	Aug 2015	Using GenCade to Create a Sediment Budget in SBAS, by A.E. Frey
ERDC/CHL CHETN-IV-106	Oct 2015	Three Dimensional Shallow Water Adaptive Hydraulics (ADH-SW3): Waterborne Vessels, by G. Savant and C.J. Trahan

Section V – Coastal ecology

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/CHL CHETN-V-23	Jun 2014	Linking Critical Ecological Processes to Landscape Pattern: Implications for USACE Planning and Operations, by S. Altman, M. Reif, and T. Swannack

Section VI – Miscellaneous coastal subjects

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/CHL CHETN-VI-33	Mar 2000	Monitoring Completed Navigation Projects, Lessons Learned IV, by R.R. Bottin, Jr.
ERDC/CHL CHETN-VI-34	Sep 2000	Deploying and Recovering Marine Instruments With a Helicopter, by D.D. McGehee and C.J. Mayers
ERDC/CHL CHETN-VI-35	Mar 2001	Dredge Bucket Comparison Demonstration at Boston Harbor, by T. Welp, D. Hayes, M. Tubman, S. McDowell, T. Fredette, J. Clausner, and C. Albro
ERDC/CHL CHETN-VI-36	Sep 2001	Boston Harbor Dredged Material Capping Simulation, by L.T. Lee, Jr.
ERDC/CHL CHETN-VI-37	Sep 2002	Estimating Surface Currents Using Dyes and Drogues, by S.A. Hughes
ERDC/CHL CHETN-VI-38	Jun 2003	Collecting Field Data in a Small Boat Harbor for a Multiphase Numerical Study, by T.C. Pratt
ERDC/CHL CHETN-VI-39	Dec 2003	Model for the Computation of Time-Steady Nearshore Currents, by B. Johnson
ERDC/CHL CHETN-VI-40	Jun 2005	Use of Sediment Trend Analysis (STA®) for Coastal Projects, by S.A. Hughes
ERDC/CHL CHETN-VI-41	Dec 2005	Determination of Standard Response Spectra and Effective Peak Ground Accelerations for Seismic Design and Evaluation, by E.E. Matheu, D.E. Yule, and R.V. Kala
ERDC/CHL CHETN-VI-42	Mar 2006	Branchbox Breakwater Design at Pickleweed Trail, Martinez, CA, Section 227 Demonstration Project, by S.T. Maynard, M.F. Winkler, and D.E. Demko
ERDC/CHL CHETN-VI-43	Jul 2010	Hatteras Breach, North Carolina, by T.V. Wamsley, K.K. Hathaway, and M. Wutkowski

ERDC/CHL CHETN-VI-44 Aug 2013 Land Building Models: Uncertainty in and Sensitivity to Input Parameters, by T.V. Wamsley

Section VII – River engineering and sedimentation

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/CHL CHETN-VII-1	Sep 2001	Analysis of Near-Field Hydrodynamics of Submerged Weirs, by S.H. Scott, Y. Jai, S.S.Y. Wang, and Y. Xu
ERDC/CHL CHETN-VII-2	Sep 2001	Multidimensional Models Used in Rivers and Streams, by N.K. Raphael and M.P. Alexander
ERDC/CHL CHETN-VII-3	Dec 2001	Design Considerations for Siting Grade Control Structures, by D.S. Biedenharn and L.C. Hubbard
ERDC/CHL CHETN-VII-4	Jun 2002	Quantification of Bed-Load Transport on the Upper Mississippi River Using Multibeam Survey Data and Traditional Methods, by D.D. Abraham and T. Pratt
ERDC/CHL CHETN-VII-5	Dec 2003	Effects of Drawdown and Structures on Bed-Load Transport in Pool 8 Navigation Channel, by D. Abraham and J. Hendrickson
ERDC/CHL CHETN-VII-6	Sep 2006	Predicting Sediment Transport Dynamics in Ephemeral Channels: A Review of Literature, by S.H. Scott
ERDC/CHL CHETN-VII-7	Sep 2006	Application of the SAM Computer Program for Truckee River Stable Channel Analysis, by S.H. Scott
ERDC/CHL CHETN-VII-8	Sep 2006	Two-Dimensional Simulation of Truckee River Hydrodynamics, by S.H. Scott
ERDC/CHL CHETN-VII-9	Nov 2008	River Diversions and Shoaling, by J.V. Letter, Jr., C.F. Pinkard, Jr., and N.K. Raphael
ERDC/CHL CHETN-VII-10	Aug 2010	Innovative Streambank Protection in an Urban Setting, Accotink Creek, VA, by D.L. Derrick and M.M. Jonas
ERDC/CHL CHETN-VII-11	Mar 2011	Robust Prediction of Hydraulic Roughness, by S.K. McKay and J.C. Fischenich
ERDC/CHL CHETN-VII-13	Sep 2013	A Simplified Analytic Investigation of the Riverside Effects of Sediment Diversions, by G.L. Brown, J.V. Letter, Jr., R.E. Heath, R. McAdory, L.L. Wehmeyer, and B.L. Gunkel

ERDC/CHL CHETN-VII-14	Aug 2015	Simulation of Ohio River Hydrodynamics to Support Emergency Maintenance Operations on Lock and Dam 52, by N. Clifton, S. Scott, and D. Abraham
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Section VIII – Flood management

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/CHL CHETN-VIII-1	Apr 2000	Increasing Reservoir Storage or Spillway Capacity using Fusegates, by J. Hite, Jr. and C. Mifkovic
ERDC/CHL CHETN-VIII-2	Jul 2000	Hydraulic Modeling of Trapezoidal High-Velocity Channels, by R.L. Stockstill
ERDC/CHL CHETN-VIII-3	Dec 2000	Determination of Flow Resistance Coefficients Due to Shrubs and Woody Vegetation, by R.R. Copeland
ERDC/CHL CHETN-VIII-4	Dec 2000	Effective Discharge Calculation, by D.S. Biedenharn and R.R. Copeland
ERDC/CHL CHETN-VIII-5	Dec 2000	Channel-Forming Discharge, by R.R. Copeland, D.S. Biedenharn, and J.C. Fischenich
ERDC/CHL CHETN-VIII-6	Sep 2007	Lateral Inflow into High-Velocity Channels by, R.L. Stockstill
ERDC/CHL CHETN-VIII-7	Sep 2013	Initial Development and Testing of a State-of-the-Art Method to Quantify Hydrologic Model Uncertainty, by B.E. Skahill

Section IX – Navigation

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/CHL CHETN-IX-2	Apr 2000	Modeling Surges in Navigation Lock Approaches, by R.L. Stockstill
ERDC/CHL CHETN-IX-3	Apr 2000	Performance of Precast Concrete Stay-in-Place Forming System for Lock Walls Rehabilitation, by J.E. McDonald and R.R. Bottin, Jr.
ERDC/CHL CHETN-IX-4	Dec 2000	Simulation of Flow in Hydraulic Structures using ADH, by R.L. Stockstill and R.C. Berger
ERDC/CHL CHETN-IX-5	Sep 2001	Monitoring Completed Navigation Projects Program, by R.R. Bottin, Jr.
ERDC/CHL CHETN-IX-6	Dec 2001	Modeling Navigation Conditions at Lock Approaches, by R.L. Stockstill

ERDC/CHL CHETN-IX-7	Dec 2001	Deep-Draft Entrance Channels: Preliminary Comparisons Between Field and Laboratory Measurements, by M.J. Briggs, I. Melito, Z. Demirbilek, and F. Sargent
ERDC/CHL CHETN-IX-8	Jun 2002	General Guard Wall Design Considerations for Tow Entry and Exit, by H. Park
ERDC/CHL CHETN-IX-9	Jun 2002	Mooring Model for Barge Tows in Lock Chamber, by R.L. Stockstill
ERDC/CHL CHETN-IX-10	Sep 2002	Monitoring Completed Navigation Projects, Lessons Learned V, by R.R. Bottin, Jr.
ERDC/CHL CHETN-IX-11	Dec 2002	Current Direction and Velocity Measurements Using GPS Receivers Mounted on Floats at Tom Bevill Lock and Dam, by M.F. Winkler and R.T. Wooley
ERDC/CHL CHETN-IX-12	Dec 2003	Defining Angle and Spacing of Bendway Weirs, by M.F. Winkler
ERDC/CHL CHETN-IX-13	Dec 2003	Monitoring Navigation Using Time-Lapse Video Recorders, by M.F. Winkler, R.T. Wooley, and B.C. Barker
ERDC/CHL CHETN-IX-14	Mar 2004	Charleston Harbor Ship Motion Data Collection and Squat Analysis, by M.J. Briggs, S.T. Maynard, C.R. Nickles, and T.N. Waller
ERDC/CHL CHETN-IX-15	Mar 2005	Modeling of Vessel Effects: Selection of Adaption Parameters for Modeling Vessels in ADH, by C. Berger and L. Lee
ERDC/CHL CHETN-IX-16	Sep 2006	Numerical Evaluation of Stress Intensity Factors (K_I) J-Integral Approach, by G.A. Riveros
ERDC/CHL CHETN-IX-17	Oct 2008	Considerations for Modeling Vessel-Generated Currents and Bed Shear Stresses, by E.A. Hammack and J.N. Tate
ERDC/CHL CHETN-IX-18	Jan 2009	Computational Model of a Lock Filling System, by R.L. Stockstill
ERDC/CHL CHETN-IX-19	Aug 2009	Ankudinov Ship Squat Predictions – Part I: Theory, Parameters, and FORTRAN Programs, by M.J. Briggs
ERDC/CHL CHETN-IX-20	Aug 2009	Ankudinov Ship Squat Predictions – Part II: Laboratory and Field Comparisons and Validations, by M.J. Briggs and L. Daggett
ERDC/CHL CHETN-IX-21	Aug 2009	Calculating Forces on Components of Hydraulic Structures, by E.A. Hammack, M.T. Fong, and R.L. Stockstill

ERDC/CHL CHETN-IX-22	Jun 2010	Mississippi River Sediment Availability Study: Summary of Available Data, by S. Filippo
ERDC/CHL CHETN-IX-23	Aug 2010	Acoustical Imaging Cameras for the Inspection and Condition Assessment of Hydraulic Structures, by J.A. Evans
ERDC/CHL CHETN-IX-24	Aug 2010	Predicting Deterioration of Navigation Steel Hydraulic Structures with Markov Chain and Latin Hypercube Simulation, by G.A. Riveros and E. Arredondo
ERDC/CHL CHETN-IX-25	Aug 2010	Guide to the Development of a Deterioration Rate Curve Using Condition State Inspection Data, by G.A. Riveros and E. Arredondo
ERDC/CHL CHETN-IX-26	Mar 2011	Design Concept and Analysis for a Navigation Dam Gate Guard, by E.A. Hammack, R.L. Stockstill, and J. Vaughan
ERDC/CHL CHETN-IX-27	Oct 2011	Computational Flow Model of a Reverse Tainter Valve, by E.A. Hammack and R.L. Stockstill
ERDC/CHL CHETN-IX-28	Mar 2012	Post-tensioned Multistrand Anchorage Capacity Deterioration Due To Corrosion: John Day Lock Project, by R. Ebeling, R. Haskins, D. Scofield, J. Hite, and R. Strom
ERDC/CHL CHETN-IX-29	Apr 2012	A Review of Coastal Navigation Asset Management Efforts within the Coastal Inlets Research Program (CIRP) Part 2: The Channel Portfolio Tool, by K.N. Mitchell
ERDC/CHL CHETN-IX-30	Oct 2012	Lock Manifold Port Coefficients, by R.L. Stockstill, E.A. Hammack, and J.M. Vaughan
ERDC/CHL CHETN-IX-31	Jan 2013	Modeling Flow through a Lock Manifold Port, by R.L. Stockstill and E.A. Hammack
ERDC/CHL CHETN-IX-32	Aug 2013	Trunnion Rod Microcrack Detection, by J.A. Evans, R.W. Haskins, J.A. Padula, and J.E. Hite
ERDC/CHL CHETN-IX-33	Dec 2013	Hydrodynamic Forces on Reverse Tainter Valves; Hydraulic Model Investigation, by R.L. Stockstill, E.A. Hammack, D.S. Smith, J.M. Vaughan, and K. Green
ERDC/CHL CHETN-IX-34	Dec 2013	Field Experience with Lock Culvert Valves, by R.L. Stockstill, E.A. Hammack, T.E. Hood, and J.M. Vaughan

ERDC/CHL CHETN-IX-35	Apr 2014	Guided-Wave Testing of Trunnion Rods at Greenup Lock and Dam, Kentucky, by J.A. Evans and R. Haskins
ERDC/CHL CHETN-IX-36	Apr 2014	Development of a Guided-Wave Technology Capable of the Detection of Open Cracks and Microcracks in Embedded Trunnion Anchor Rods, by J.A. Evans and R. Haskins
ERDC/CHL CHETN-IX-37	Sep 2014	Acoustic Nondestructive Testing and Measurement of Tension for Steel Reinforcing Members: Part 1-Theory, by M.K. McInerney
ERDC/CHL CHETN-IX-38	Sep 2014	Acoustic Nondestructive Testing And Measurement of Tension for Steel Reinforcing Members: Part 2 - Field Testing, by M.K. McInerney
ERDC/CHL CHETN-IX-39	Sep 2014	A Survey of Corrosion and Conditions of Corrosion Protection Systems in Civil Works Structures of the U.S. Army Corps of Engineers, by M.K. McInerney, C.P. Marsh, V.F. Hock, and T.A. Carlson
ERDC/CHL CHETN-IX-40	Aug 2015	Archival Automatic Identification System (AIS) Data for Navigation Project Performance Evaluation, by B. Scully and K.N. Mitchell
ERDC/CHL CHETN-IX-41	Oct 2015	Shoaling Analysis at Brazos Island Harbor Inlet, Texas, by E.R. Smith, T.C. Lackey, D.B. King, and R. Styles

Section XI – Groundwater hydraulics

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/CHL CHETN-XI-1	Mar 2004	DDJC-Sharpe Defense Distribution Depot: FEMWATER 3D Transport Model of TCE Plume Migration with Natural Attenuation, by B.P. Donnell and the ERDC-CHL Groundwater Team
ERDC/CHL CHETN-XI-2	Aug 2014	Seepage-Based Factor of Safety Analysis Using 3D Groundwater Simulation Results, by H.P. Cheng, K.D. Winters, S.M. England, and R.E. Pickett
ERDC/CHL CHETN-XI-3	Sep 2014	A Geology-Based Estimate of Connate Water Salinity Distribution, by H.P. Cheng, K.D. Winters, S.M. England, R.E. Pickett, M.D. Shafer, and T.M. North

ERDC/CHL CHETN-XI-4	Aug 2015	Computing Flow through Well Screens Using an Embedded Well Technique, by H.P. Cheng
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Section XIII – Miscellaneous inland subjects

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/CHL CHETN-XIII-1	Aug 2006	Modeling Free-Surface Flow Over a Weir, by R. Stockstill, C. Kees, and C. Berger
ERDC/CHL CHETN-XIII-2	Jan 2008	Implementation of Discontinuous Galerkin Methods for the Level Set Equation on Unstructured Meshes, by M.W. Farthing and C.E. Kees
ERDC/CHL CHETN-XIII-3	Sep 2013	Basics of Physical Modeling in Coastal and Hydraulic Engineering, by M.J. Briggs

Section XIV – Regional sediment management

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/CHL CHETN-XIV-1	Jan 2004 REV	The Corps of Engineers National Regional Sediment Management Demonstration Program, by J.D. Rosati, B.D. Carlson, J.E. Davis, and T.D. Smith
ERDC/CHL CHETN-XIV-2	Jun 2003 REV	Tools for Regional Sediment Management, by J.M. Wozencraft, L. Hardegree, L.M. Bocamazo, J.D. Rosati, and J.E. Davis
ERDC/CHL CHETN-XIV-3	Jun 2003 REV	Sediment Budget Analysis System (SBAS): Upgrade for Regional Applications, by J.D. Rosati and N.C. Kraus
ERDC/CHL CHETN-XIV-4	Jun 2003 REV	Overview of Regional Coastal Sediment Processes and Controls, by M. Larson, J.D. Rosati, and N.C. Kraus
ERDC/CHL CHETN-XIV-5	Jun 2003 REV	Lessons Learned from Existing Projects on Shoaling in Harbors and Navigation Channels, by T.M. Parchure and A.M. Teeter
ERDC/CHL CHETN-XIV-6	Jun 2003 REV	Potential Methods for Reducing Shoaling in Harbors and Navigation Channels, by T.M. Parchure and A.M. Teeter
ERDC/CHL CHETN-XIV-7	Jun 2003 REV	Sediment Budget Analysis System-A: SBAS-A for ArcView© Application, by R. Dopsovic, L. Hardegree, and J. Rosati

ERDC/CHL CHETN-XIV-8	Jun 2003 REV	Authorities and Policies Supporting Implementation of Regional Sediment Management, by L.R. Martin
ERDC/CHL CHETN-XIV-9	Jan 2004	Local-Scale Technologies for Measuring and Monitoring Sediment Process, by D.Y. Eng
ERDC/CHL CHETN-XIV-10	Jan 2004	Design Approach for Regional Sediment Management, by D.S. Biedenharn
ERDC/CHL CHETN-XIV-11	Feb 2004	Application of Regional Sediment Approach to Hickahala Creek Watershed, Northern Mississippi, by D.S. Biedenharn, C.C. Watson, J.B. Smith, and L.C. Hubbard
ERDC/CHL CHETN-XIV-12	May 2004	Lessons Learned in Regional Sediment Management: The Mobile District Demonstration Program; Technical Program Implementation, by L.S. Lillycrop, J.M. Wozencraft, L.C. Hardegree, R. Dopsovic, and W.J. Lillycrop
ERDC/CHL CHETN-XIV-13	Sep 2004	Coastal Overwash: Part 1, Overview of Processes, by C. Donnelly, N.C. Kraus, and M. Larson
ERDC/CHL CHETN-XIV-14	Sep 2004	Coastal Overwash: Part 2, Upgrade to SBEACH, by M. Larson, R.A. Wise, and N.C. Kraus
ERDC/CHL CHETN-XIV-15	Sep 2004	Regional Morphology Analysis Package (RMAP): Part 1, Overview, by B.K. Batten and N.C. Kraus
ERDC/CHL CHETN-XIV-16	Aug 2005	Regional Sediment Management Opportunities within the Intracoastal Waterway (IWW) Dredging Program in the State of Florida, by D.A. Abecassis
ERDC/CHL CHETN-XIV-17	Sep 2005	Northern Gulf of Mexico (NGOM) Regional Sediment Management Demonstration Program Initiatives, by L.E. Parson and S.I. Rees
ERDC/CHL CHETN-XIV-18	Sep 2009	Regional Morphology Analysis Package (RMAP): Version 3, User's Guide and Tutorial, by A. Morang, B.K. Batten, K.J. Connell, W. Tanner, M. Larson, and N.C. Kraus
ERDC/CHL CHETN-XIV-19	Jan 2012	An Update on Nearshore Berms in the Corps of Engineers: Recent Projects and Future Needs, by T.M. Beck, J.D. Rosati, and J. Rosati

ERDC/CHL CHETN-XIV-20	Sep 2012	Implementation of Regional Sediment Management through Dredged Material Management Planning, by W. Aley
ERDC/CHL CHETN-XIV-21	Sep 2012	Barren Island Dredged Material Placement for Regional Sediment Management, by R.N. Blama
ERDC/CHL CHETN-XIV-22	Sep 2012	Regional Sediment Management at East Rockaway Inlet, NY, Utilizing the USACE Coastal Modeling System, by US Army Engineer District, New York
ERDC/CHL CHETN-XIV-23	Sep 2012	Estuarine Sediment Budgets for Chesapeake Bay Tributaries, by J.D. Herman
ERDC/CHL CHETN-XIV-24	Sep 2012	Practical Recommendations for Regional Sediment Management: Lessons Learned at St. Johns County Shore Protection Project, by R.C. Thomas, M.H. Schrader, J.A. Engle, and K.R. Legault
ERDC/CHL CHETN-XIV-25	Sep 2012	Practical Recommendations for Regional Sediment Management: Lessons Learned as part of the Niobrara River Basin Initiative, by P.M. Boyd
ERDC/CHL CHETN-XIV-26	Mar 2013	Evaluation of Regional Sediment Management Actions Using Government Shallow Draft Dredges, by R. Thorsen and M. Chasten
ERDC/CHL CHETN-XIV-27	Mar 2013	Identification of Regional Sediment Management (RSM) Opportunities Along the Upper Texas Coast Through Sediment Budget Analysis, by S. Willey, T. Campbell, S. Lambert, A. Morang, D. King, and R. Thomas
ERDC/CHL CHETN-XIV-28	Apr 2013	Review of Innovative Sediment Delivery Systems, by T.D. Smith
ERDC/CHL CHETN-XIV-29	Jun 2013	Regional Sediment Management (RSM) Principles in Flood Recovery: Incorporating RSM after the 2011 Missouri River Flood, by P.M. Boyd
ERDC/CHL CHETN-XIV-30	Jun 2013	Creation of Island Habitat in Jacksonville Harbor, FL, by S. Groleau
ERDC/CHL CHETN-XIV-31	Jun 2013	Hawaii Regional Sediment Management: Application of SBAS for ArcGIS© 10 to Develop Regional Sediment Budgets for the Island of Maui, HI, by J.H. Podoski

ERDC/CHL CHETN-XIV-32	Jun 2013	Hawaii Regional Sediment Management: Regional Sediment Budget for the Kekaha Region of Kauai, HI, by J.H. Podoski
ERDC/CHL CHETN-XIV-33	Jun 2013	Hawaii Regional Sediment Management: Regional Sediment Budget for the Poipu Region of Kauai, HI, by J.H. Podoski
ERDC/CHL CHETN-XIV-34	Sep 2013	Sediment as a Regional Resource in the Low-Commercial-Use Navigation Program, Mathews County, VA, by D. Stamper, J. Swallow, D. Milligan, and S. Hardaway
ERDC/CHL CHETN-XIV-35	Sep 2013	Regional Sediment Management for Atlantic Coast of Maryland and Assateague Island Seashore (Assateague By-Pass Project), by T.D. Laczko, M.L. Gomez, and R.N. Blama
ERDC/CHL CHETN-XIV-36	Jun 2014	Regional Sediment Management (RSM) Modeling Tools: Integration of Advanced Sediment Transport Tools into HEC-RAS, by P.M. Boyd and S.A. Gibson
ERDC/CHL CHETN-XIV-37	May 2014	Potential Regional Sediment Management (RSM) Projects in the Haleiwa Region, Oahu, Hawaii, by T.D. Smith
ERDC/CHL CHETN-XIV-38	Jun 2014	Regional Sediment Budgets for the Haleiwa Region, Oahu, Hawaii, by J.H. Podoski
ERDC/CHL CHETN-XIV-39	Jun 2014	The Atlantic Coast of Maryland, Sediment Budget Update, by J.C. Reed
ERDC/CHL CHETN-XIV-41	Apr 2015	Regional Sediment Management (RSM) Strategy for Mobile Bay, Alabama, by L. Parson, N. Lovelace, E. Godsey, K. Reine, and J. Gailani
ERDC/CHL CHETN-XIV-43	Mar 2015	Reservoir Sediment Management Workshop for Tuttle Creek Lake and Perry Lake Reservoirs in the Kansas River Basin, by J. Shelley
ERDC/CHL CHETN-XIV-44	Dec 2015	Alternatives to Reduce Shoaling in the Gulf Intracoastal Waterway and Prevent Erosion of Bay Islands along the North Shoreline of West Galveston Bay, by K. Townsend, E. Wood, D. Thornton, J. Miller, T. Campbell, S. Willey, L. Lin, C. Maglio, and R. Thomas
ERDC/CHL CHETN-XIV-45	Dec 2015	Identification of Alternatives to Reduce Shoaling in the Galveston Entrance Channels, Texas, by K. Townsend, R. Thomas, T. Campbell, S. Willey, A. Frey, A. Morang, and D. King

Technical reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/CHL TR-99-19 Rep. 3	Sep 2001	DMS: Diagnostic Modeling System. Report 3, DMS Data Manager--A User's Guide, by K.R.Craig, M.S. Gosselin, D.S. Cook, and T.C. Pratt	ADA397613
ERDC/CHL TR-99-19 Rep. 4	Sep 2002	DMS: Diagnostic Modeling System. Report 4, Shoaling Analysis of St. Marys Entrance, Florida, by S. Johnston, N.C. Kraus, M.E. Brown and W.G. Grosskopf	ADA408476
ERDC/CHL TR-99-19 Rep. 7	Aug 2001	DMS: Diagnostic Modeling System. Report 7, The DMS Data Manager -- Updated User's Guide, by S. Johnston and K.R. Craig	ADA408477
TR CHL-99-20	Oct 1999	Los Angeles and Long Beach Harbors Model Enhancement Program: Long Waves and Harbor Resonance Analysis, by W.C. Seabergh and L.J. Thomas	ADA370942
TR CHL-99-21	Dec 1999	Use and Application of the Empirical Simulation Technique: User's Guide, by N.W. Scheffner, J.E. Clausner, A. Militello, L.E. Borgman, B.L. Edge, and P.J. Grace	ADA376132
ERDC/CHL TR-00-01	Mar 2000	Demonstration Erosion Control Project Monitoring Program: Fiscal Year 1995 Report, by D.S. Biedenharn, N.K. Raphelt, and C.C. Watson	ADA375784
ERDC/CHL TR-00-02	Mar 2000	Barbers Point Harbor Physical Model Navigation Study, by G.S. Harkins and C.C. Dorrell	ADA377888
ERDC/CHL TR-00-03	Apr 2000	First Powerhouse, Bonneville Dam, Columbia River, Oregon: Report 1, Proposed Trash Holding System, by R. Davidson	ADA376795
ERDC/CHL TR-00-03	Apr 2000	First Powerhouse, Bonneville Dam, Columbia River, Oregon: Report 2, Tracking Velocities; Hydraulic Model Investigation, by R. Davidson	ADA376794
ERDC/CHL TR-00-04	Apr 2000	Salinity Intrusion in the Panama Canal, by T.M. Parchure, S.C. Wilhelms, S. Sarruff, and W.H. McAnally	ADA378475
ERDC/CHL TR-00-05	Apr 2000	Sedimentation Study and Flume Investigation, Mission Creek, Santa Barbara, California, Corte Madera Creek, Marin County, California: Numerical and Hydraulic Model Investigation, by R.R. Copeland, D.C. McVan, and S.E. Stonestreet	ADA378135

ERDC/CHL TR-00-06 Rep. 1	Apr 2000	Study of Navigation Channel Feasibility, Willapa Bay, Washington, by N.C. Kraus, Editor	ADA378474
ERDC/CHL TR-00-06 Rep. 2	Jul 2002	Study of Navigation Channel Feasibility, Willapa Bay, Washington. Report 2, Entrance Channel Monitoring and Study of Bay Center Entrance Channel, by N.C. Kraus, H.T. Arden, and D.P. Simpson, Editors	ADA406177
ERDC/CHL TR-00-07	Apr 2000	Unrestrained Cylinders Rolling in Steady Uniform Flows, by J.E. Davis	ADA377851
ERDC/CHL TR-00-08	May 2000	Aggregation and Deposition of Estuarial Fine Sediment, by W.H. McAnally	ADA379002
ERDC/CHL TR-00-09	Jun 2000	Oakland Harbor Navigation Study, by G.C. Lynch and P. Van Norman	ADA379099
ERDC/CHL TR-00-10	Jun 2000	Lower St. Johns River and Estuary, Florida, Numerical Model Study, by J.A. Sanchez and R.A. Evans, Jr.	ADA379450
ERDC/CHL TR-00-11	Jul 2000	Comite River Diversion Project--Diversion Channel Stage Control Structure (Lilly Bayou Structure) Comite River, Louisiana: Numerical Model Investigation, by J.E. Hite, Jr. and J.E. Myrick	ADA380037
ERDC/CHL TR-00-12	Jul 2000	Periodic Inspection of Burns Harbor North Breakwater, Indiana: Armor Unit Monitoring for Period 1994-1999, by R.R. Bottin, Jr. and M.K. Tibbetts	
ERDC/CHL TR-00-13	Aug 2000	Effects of Lock Sill and Chamber Depths on Transit Time of Shallow Draft Navigation, by S.T. Maynard	ADA381143
ERDC/CHL TR-00-14	Aug 2000	Corte Madera Creek Marin County, California, Modified Unit 4 Sedimentation Study: Numerical Model Investigation, by R.R. Copeland	ADA382213
ERDC/CHL TR-00-15	Aug 2000	Effective Discharge Calculation: A Practical Guide, by D.S. Biedenharn, R.R. Copeland, C.R. Thorne, P.J. Soar, R.D. Hey, and C.C. Watson	ADA383261
ERDC/CHL TR-00-16	Aug 2000	Riverflow/River Stage Prediction for Military Applications Using Artificial Neural Network Modeling, by B.B. Hsieh and C.L. Bartos	ADA382991
ERDC/CHL TR-00-17	Sep 2000	Model Study of Prado Spillway, California, by R.R. Copeland and B.P. Fletcher	ADA382559

ERDC/CHL TR-00-18	Aug 2000	Cape Fear-Northeast Cape Fear River, North Carolina: Numerical Model Study, by R.T. McAdory, Jr.	ADA384556
ERDC/CHL TR-00-20	Sep 2000	Navigation Span Location Study for Greenville Bridge Reach, Mississippi River, by D.C. Wilson	ADA384705
ERDC/CHL TR-00-21	Sep 2000	Wave Climate and Littoral Sediment Transport Potential, Long Beach Island, New Jersey, by M.A. Cialone and E.F. Thompson	ADA385444
ERDC/CHL TR-00-22	Sep 2000	Sedimentation Response to Wharf Expansion Plans for the Columbus Street Terminal, Charleston, South Carolina, by A.M. Teeter, G.L. Brown, C.J. Callegan, D.C. McVan, and M.S. Sarruff	ADA385073
ERDC/CHL TR-00-23	Sep 2000	Design of Sediment Trap at Rollover Pass, Texas, by T.M. Parchure, B. Brown, and R.T. McAdory	ADA384299
ERDC/CHL TR-00-24	Sep 2000	New McAlpine Lock Filling and Emptying System, Ohio River, Kentucky: Hydraulic Model Investigation, by J.E. Hite, Jr.	ADA385017
ERDC/CHL TR-00-25	Oct 2000	Determination of Resistance Due to Shrubs and Woody Vegetation, by G.E. Freeman, W.H. Rahmeyer, and R.R. Copeland	ADA383997
ERDC/CHL TR-00-26	Nov 2000	Navigation Study, Colorado Locks, Colorado, Matagorda, Texas, by R. McCollum	ADA386627
ERDC/CHL TR-01-01	Jan 2001	HyPAS User's Manual: A Hydraulic Processes Analysis System, an Extension for ArcView GIS, Version 4.0.1, by T.C. Pratt and D.S. Cook	ADA387601
ERDC/CHL TR-01-02	Feb 2001	Periodic Inspection of St. Paul Harbor Breakwater, Alaska, by R.R. Bottin, Jr. and A.C. Jeffries	ADA387489
ERDC/CHL TR-01-03	Feb 2001	Kaumalapau Harbor, Lanai, Hawaii, Two-Dimensional Breakwater Stability Study, by E.R. Smith	ADA389104
ERDC/CHL TR-01-04	Mar 2001	Outdraft at Lock Approach, Tom Bevill Lock and Dam, Alabama: Hydraulic Model Investigation, by G.C. Lynch	ADA389692
ERDC/CHL TR-01-05	May 2001	Navigation Study of Lower Lock Approach, John Day Lock and Dam, Columbia River, Oregon, by D.C. Wilson, D.M. Maggio, and P.S. Van Norman	ADA391877
ERDC/CHL TR-01-06	Apr 2001	Port of Baltimore Navigation Simulation Study, by G.C. Lynch	ADA391922

ERDC/CHL TR-01-07	Apr 2001	Wave Breaking on a Current at an Idealized Inlet with an Ebb Shoal, by J.M. Smith and W.C. Seabergh	ADA393100
ERDC/CHL TR-01-08	May 2001	Pool Lowering at Lock and Dam 1 Using the Lock Filling and Emptying System, Mississippi River, Minnesota, by R.L. Stockstill, T.L. Fagerburg, and T.N. Waller	ADA392082
ERDC/CHL TR-01-09	May 2001	Model Study of Kentucky Lock Addition, Tennessee River, Kentucky: Hydraulic Model Investigation, by J.E. Sanchez	ADA392021
ERDC/CHL TR-01-10	May 2001	Design for Small-Boat Harbor Improvements and Tidal Flushing, St. Paul Harbor, St. Paul Island, Alaska: Coastal Model Investigation, by R.R. Bottin, Jr. and H.E. Acuff	ADA392226
ERDC/CHL TR-01-11	Jun 2001	Coast of South Carolina Storm Surge Study, by N.W. Scheffner and F.C. Carson	ADA394525
ERDC/CHL TR-01-12	Jun 2001	Beach Erosion and Sediment Processes Study, North East Marina, Erie County, Pennsylvania, by A. Morang and J. Melton	ADA394319
ERDC/CHL TR-01-13	Jul 2001	Performance Characteristics of a Rapidly Installed Breakwater System, by M.J. Briggs	ADA395021
ERDC/CHL TR-01-14	Jul 2001	Salinity Changes in Pontchartrain Basin Estuary, Louisiana, Resulting from Mississippi River-Gulf Outlet Partial Closure Plans: Numerical Model Investigation, by A.R. Carrillo, R.C. Berger, M.S. Sarruff, and B.J. Thibodeaux	ADA394463
ERDC/CHL TR-01-15	Aug 2001	Hydrodynamic and Sediment Transport Study of Sudbury River, Massachusetts: Numerical Model Investigation, by G.H. Nail and D.D. Abraham	ADA395560
ERDC/CHL TR-01-16	Aug 2001	Impact of Relocation of the Gulf Intracoastal Waterway on Circulation and Salinity in Matagorda Bay System, Texas, by S.R. Vemulakonda	
ERDC/CHL TR-01-17	Aug 2001	First Powerhouse, Bonneville Dam, Columbia River, Oregon, Fish Guidance Efficiency System: Hydraulic Model Investigation, by R. Davidson	ADA397428
ERDC/CHL TR-01-18	Sep 2001	London Locks and Dam, Kanawha River, West Virginia: Navigation Study, by R.A. McCollum, B.T. Crawford, and K. Anderson-Smith	ADM001347

ERDC/CHL TR-01-19	Sep 2001	Analytical and Numerical Models of the RIBS XM99 Ocean-Scale Prototype, by M.J. Briggs	ADA397637
ERDC/CHL TR-01-20	Sep 2001	Tidal Inlet Equilibrium Area Experiments, Inlet Laboratory Investigations, by W.C. Seabergh, D.B. King, Jr., and B.E. Stephens	ADA397931
ERDC/CHL TR-01-21	Sep 2001	Morro Bay Harbor, California, Wave and Current Data Summary Report, by A.W. Garcia	ADA398613
ERDC/CHL TR-01-22	Sep 2001	Development of a Large-Scale Laboratory Facility for Sediment Transport Research, by D.G. Hamilton, B.A. Ebersole, E.R. Smith, and P. Wang	ADA399451
ERDC/CHL TR-01-23	Sep 2001	Ship Navigation Simulation Study, Kalihi Channel Reopening, Honolulu Harbor, Oahu, Hawaii, by G.C. Lynch and J.A. Sanchez	ADA399666
ERDC/CHL TR-01-24	Sep 2001	Study of Complex Flows in the Lower San Bernard River, Texas, by J.A. Sanchez and T.M. Parchure	ADA399389
ERDC/CHL TR-01-25 Rep. 1	Sep 2001	BOUSS-2D: A Boussinesq Wave Model for Coastal Regions and Harbors. Report 1, Theoretical Background and User's Manual, by O.G. Nwogu and Z. Demirebilek	ADA400294
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ERDC/CHL TR-11-1 Rep. 2	Mar 2011	Coastal Storm Surge Analysis: Computational System. Report 2, Intermediate Submission No. 1.2, by B. Blanton, L. Stillwell, H. Roberts, J. Atkinson, S. Zou, M. Forte, J. Hanson and R. Luettich	ADA539306
ERDC/CHL TR-11-1 Rep. 3	Jul 2013	Coastal Storm Surge Analysis: Storm Forcing. Report 3, Intermediate Submission No. 1.3, by P. Vickery, D. Wadhera, A. Cox, V. Cardone, J. Hanson, and B. Blanton	ADA581410
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Contract reports

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ERDC/CRREL CR-02-1	Oct 2002	A Deployable Wastewater Treatment System, by J.L. Hill, J.T. Novak, N.G. Love, C.A. Bass, Jr., M.A. Brennan, C.S. Riddle, and K. Asiedu	
ERDC/CRREL CR-03-1	Feb 2003	A Preliminary Assessment of a Low Cost Solution to Water Droplet Spectroscopy and Liquid Water Content Measurement, by Red Tail Hawk Corporation	
ERDC/CRREL CR-04-1	Jun 2001	A Data Report on Washboard Formation, by S.K. Monaghan, R. Liston, and B. Young	
ERDC/CRREL CR-06-1	Nov 2006	Sensor Testing in a Controlled Brownout Dust Environment, by Midwest Research Institute	
ERDC/CRREL CR-10-1	Jun 2010	Numerical Simulation of Ice Dynamics in Channels with Vanes and Cross Vanes: Interim Progress Report, by I. Knack and H.T. Shen	
ERDC/CRREL CR-10-2	Jul 2010	Vegetation Sampling for Wetland Delineation: A Review and Synthesis of Methods and Sampling Issues, by E. Gage and D.J. Cooper	ADA524401
ERDC/CRREL CR-10-3	Aug 2010	Growing Season Definition and Use in Wetland Delineation: A Literature Review, by K. Malone and H. Williams	ADA527538
ERDC/CRREL CR-12-1	Jan 2012	Defining Hydrophytes for Wetland Identification and Delineation, by R.W. Tiner	ADA555761

Letter reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/CRREL LR-00-01	Feb 2000	Impact study of Vessel Effects on the Marine and Nearshore Zone, Glacier Bay, Alaska, by J.L. Wuebben, L.E. Hunter, D.E. Lawson, and S.R. Bigl	
ERDC/CRREL LR-00-02	Mar 2000	A DC-Resistivity and Ground-Penetrating Radar Investigation Near Tank 100, Haines Fuel Terminal, Alaska, by A.J. Delaney, P.R. Peapples, A. Staples, D.E. Lawson, S.A. Arcone, and J. Wilkinson	

ERDC/CRREL LR-00-03	Apr 2000	Impact Loads from Flood Borne Debris: Review of Literature and Current Guidance, by R.B. Haehnel and S.F. Daly
ERDC/CRREL LR-00-04	Jun 2000	Offshore Seismic Reflection Profiling Near the Haines Fuel Terminal, Alaska, by L.E. Hunter, A.J. Delaney, P. Peapples, and D.E. Lawson
ERDC/CRREL LR-00-05	2000	Rhizosphere-Enhanced Remediation Project at Osan Air Base, South Korea, by C.M. Reynolds and B.A. Koenen
ERDC/CRREL LR-00-06	2000	Rhizosphere-Enhanced Remediation Project at Kunsan Air Base, South Korea, by C.M. Reynolds and B.A. Koenen
ERDC/CRREL LR-00-07	May 2000	Annual Report: Ice Force Measurements, St. Regis River 2000, by R.B. Haehnel and C.H. Clark
ERDC/CRREL LR-00-08	Nov 1999	Review of Pre-Engineering Designs Ohio River Mainstem Study for Enhanced Ice Management, by A.M. Tuthill, S.F. Daly, and R.B. Haehnel
ERDC/CRREL LR-00-09	Jun 2000	X-Ray Diffraction Analysis of Marine Mud Aquitard, Haines Fuel terminal, Haines, Alaska, by P.R. Peapples, S.A. Arcone, and D.E. Lawson
ERDC/CRREL LR-00-10	Feb 2000	Ten Years of Ice Force Measurements on the St. Regis River, Hogsburg, NY: 1989-1999, by R.B. Haehnel, C.H. Clark, and K.D. White
ERDC/CRREL LR-00-11	Jun 2000	Bedrock and Structure Characterization: Birch Hill Tank Farm and Truck Fill Stand, Fort Wainwright, Alaska, by P.R. Peapples, B.N. Astley, D.E. Lawson, A.J. Delaney, and S.A. Arcone
ERDC/CRREL LR-00-12	Jul 2000	Bedrock Resistivity Investigations at the Haines Fuel Terminal, Alaska, by P.R. Peapples, A.J. Delaney, S.A. Arcone, and D.E. Lawson
ERDC/CRREL LR-00-13	Jul 2000	Seismic Profile Evidence for Offshore Flow Pathways Near Tank 100, Haines Fuel Terminal, Haines, Alaska, by P.R. Peapples, L.E. Hunter, A.J. Delaney, S.A. Arcone, and D.E. Lawson
ERDC/CRREL LR-00-14	Sep 2000	Conceptual Study of a Lake Erie Intake to Resist Blockage by Frazil Ice, by S.F. Daly and P. Richmond

ERDC/CRREL LR-00-15	Sep 2000	Ground Water Data from Fort Richardson, Alaska, for the Period April 1997 to March 2000, by B.N. Astley, C.F. Snyder, D.E. Lawson, C.R. Williams, T. Hall, A. Staples, and J. Denner
ERDC/CRREL LR-00-16	Sep 2000	Offsite Migration Routes Interpreted from a DC Resistivity Model, Haines Fuel Terminal, Alaska, by P.R. Peapples, S.A. Arcone, D.E. Lawson, and A.J. Delaney
ERDC/CRREL LR-00-17	Sep 2000	Geophysical Investigations Around Buildings 35-750 and 35-752, Fort Richardson, Alaska, by B.N. Astley, A.J. Delaney, D.E. Lawson, and A. Staples
ERDC/CRREL LR-01-18	Oct 2000	Measuring Scour Under Ice Winter 1998-99 on the Missouri River, Culbertson, Montana, by L.J. Zabilansky and N.E. Yankielun
ERDC/CRREL LR-01-19	Oct 2000	Preliminary Geophysical Investigations at the Armored Vehicle Maintenance Area, OUE, by B.N. Astley, A. Delaney, S.R. Bigl, S. Epps, and D.E. Lawson
ERDC/CRREL LR-01-20	Sep 2000	Sampling and Analysis Plan: Detailed Site Characterization for Rhizosphere-Enhanced Intrinsic Remediation, Campion Air Station, Alaska, by C.M. Reynolds and B.A. Koenen
ERDC/CRREL LR-01-21	Dec 2000	Field Summary: Round-One Sampling for Site Characterization at Campion Air Station, Alaska for Rhizosphere-Enhanced Intrinsic Remediation, by C.M. Reynolds, B.A. Koenen, S.E. Hardy, K. Foley and L. Perry
ERDC/CRREL LR-01-23	Dec 2000	Experimental Results of Shipboard Thick Composite Structures from Thermomechanical Stresses of Fire, by P. Dutta, G. Durell, and M. Argueso
ERDC/CRREL LR-01-24	Feb 2001	Field Performance Evaluation of Multiple Fiber Reinforced Polymer Bridge Deck Systems Over Existing Girders - Phase I, by R. Lopez-Anido, I. Harik, P. Dutta, and B. Shahrooz
ERDC/CRREL LR-01-25	Feb 2001	Solutions for Icing on Gates at Turner Falls Dam, Montague, MA, by R.B. Haehnel
ERDC/CRREL LR-01-26	Dec 2000	A Sample Set of Ground Water Flow Data from Within Operable Unit 3 at Fort Wainwright, Fairbanks, Alaska from August 1995 to December 1999, by U.S. Army Cold Regions Research and Engineering Laboratory

ERDC/CRREL LR-01-27	Jan 2000	A Study of Extreme Ice Loads on Power Lines in the St. Lawrence Valley Region, by K.F. Jones
ERDC/CRREL LR-01-28	Mar 2000	Meteorological Study for New York Power Authority Transmission Lines, by K.F. Jones
ERDC/CRREL LR-01-29	Mar 2001	Ambient Noise Data and Environmental Characterization Measurements, North Pomfret, Vermont, by S.N. Decato, F.E. Perron, Jr., and D.G. Albert
¹ ERDC/CRREL LR-01-30	Oct 2000	Oil/Water Separator Assessment, by C.M. Reynolds, B.A. Koenen, and S.E. Hardy
ERDC/CRREL LR-01-31	Mar 2001	Ground Water Flow Measurements Within Operable Unit 3, Fort Wainright, Alaska, From august 1995 to December 2000, by C.F. Snyder, S.R. Bigl, B. Astley, D.E. Lawson, C.R. Williams, and T.J. Hall
ERDC/CRREL LR-01-32	Sep 2000	Weather and Terrain Effects on Electronic Security Systems: Impact of Force Protection Command Decisions, by L. Peck
ERDC/CRREL LR-01-33	May 2000	Dynamics of Thermal Radiance from Selected Groundcovers in Winter, with Application to Passive Infrared Intrusion Detection, by L. Peck and G. Koenig
ERDC/CRREL LR-01-34	Mar 2001	Historical Aerial Photographic Analysis of the Armored Vehicle Maintenance Area, OUE, Fort Richardson, Alaska, by B.N. Astely and D.E. Lawson
ERDC/CRREL LR-01-35	May 2001	Technology Demonstration Interim Report: Field Demonstration of Rhizosphere-Enhanced Treatment of Organics-Contaminated Soils on Native American Lands with Application to Northern FUD Sites by C.M. Reynolds
¹ ERDC/CRREL LR-01-36	Jul 2001	Snow Characteristics at Fort Greely, Alaska for Testing the Silo Closure Mechanism, by J. Buska, P. Smallidge, J. Johnson, M. Sturm, and A. Greatorex
ERDC/CRREL LR-01-37	Nov 1999	Sympathetic Detonator (SYDET) Baseline Signature Measurements in a Tropical Environment, FY00 Technical Test Plan, by D. Albert and J.A. Nagle
ERDC/CRREL LR-01-38	Jun 2001	A Review of Sound Propagation in Complex Urban Terrain, by J.A. Nagle and D.G. Albert

¹ Limited distribution; see Preface.

ERDC/CRREL LR-01-39	Mar 2001	Acoustic Pulse Propagation Over Laterally Inhomogenous Ground, by D.L. Carbee, D.G. Albert, F. Perron, Jr., S.N. Decato and J.A. Nagle
ERDC/CRREL LR-01-40	May 2001	Ice-Push Damage on Lake Bomoseen, Vermont, by L.W. Gatto, M.G. Ferrick, and D. J. Calkins
ERDC/CRREL LR-01-41	Aug 2001	Remediating and Monitoring White Phosphorus Contamination at Eagle River Flats (Operable Unit C), Fort Richardson, Alaska, by M.E. Walsh, C.H. Racine, C.M. Collins, M.R. Walsh, R.N. Bailey, C.R. Williams, G.M. Trachier, and W.D. Eldridge
ERDC/CRREL LR-01-42	Nov 1999	SYDET Tropical Environment Test Site Suitability Assessment, by D. Albert and T. Gilligan
ERDC/CRREL LR-01-43	Jul 2001	SYDET Acoustic Signature Analysis, 25-27 Jan. 2000 SYDET/RAMS IPR, Las Vegas, NV, by D.G. Albert
ERDC/CRREL LR-01-44	Mar 2000	Sympathetic Detonator (SYDET) Baseline Trigger Signature Measurements and Barrier Wall Effects, FY00 Technical Test Plan, by D.G. Albert and J.A. Nagle
ERDC/CRREL LR-01-45	Jul 2000	Barrier Wall Signal Data, SYDeT Wall Experiment, Blossom Point, MD, 8-9 May 2000, by D.L. Carbee, D.G. Albert, S.N. Decato, and J.A. Nagle
ERDC/CRREL LR-01-46	Jul 2000	Temperate Signal Data, SYDeT Baseline Experiment #3, Blossom Point, MD, 1-9 May 2000, by D.L. Carbee, D.G. Albert, S.N. Decato, and J.A. Nagle
ERDC/CRREL LR-02-47	Oct 2001	Response of FRP Joints in Hygrothermal Environments, by P.K. Dutta
¹ ERDC/CRREL LR-02-48	Oct 2001	IDT Dual-Skin Radome Icing Test, by J. Buska, P. Smallidge, and A. Greatorex
ERDC/CRREL LR-02-49	Sep 2001	Barrier Wall Signal Data II, SYDET Wall Experiment II, Aberdeen, MD, 18-21 June 2001, by D.L. Carbee, D.G. Albert, S.N. Decato, and J.A. Nagle

¹ Limited distribution; see Preface.

ERDC/CRREL LR-02-50	Jun 2001	Potential Contaminant Sources and Hydrogeology, Armored Vehicle Maintenance Area, OUE, Fort Richardson, Alaska, by B.N. Astley, A. Delaney, S. Epps, S.R. Bigl, and D.E. Lawson
¹ ERDC/CRREL LR-02-51	Jul 2000	Remediating and Monitoring White Phosphorus Contamination at Eagle River Flats (Operable Unit C), Fort Richardson, Alaska, FY99 Report, by M.E. Walsh, C.H. Racine, C.M. Collins, M.R. Walsh, and R.N. Bailey
ERDC/CRREL LR-02-52	Sep 2001	Analysis of the Blossom Point 2000 Barrier Wall Engineering Test, by J.A. Nagle and D.G. Albert
ERDC/CRREL LR-02-53	May 2001	Infrared Assessment of the Heat Distribution System at the Chicago Housing Authority Lathrop Homes Phase I - Final Letter Report, by G. Phetteplace
ERDC/CRREL LR-02-54	Sep 2001	Development of a Specification for Low Temperature Hot Water Distribution Systems, by V. Meyer and G. Phetteplace
ERDC/CRREL LR-02-55	Oct 2001	Ship Creek Sediment Management Study, Fort Richardson, Alaska, by M.G. Ferrick, C.M. Collins, and L.E. Hunter
ERDC/CRREL LR-02-56	Dec 2001	Annual Report: Ice Force Measurements, St. Regis River 2001, by R.B. Haehnel
ERDC/CRREL LR-02-57	Dec 2001	Fjord Oceanographic Processes Muir Inlet, Glacier Bay, Alaska, 1994-2000, by S.R. Bigl, D.E. Lawson, J.V. Holmes, S.E. Kopczynski, and P.B. Weyrick
ERDC/CRREL LR-02-58	Feb 2002	Conceptual Study of Wintertime Flooding caused by Frazil Ice in Jackson, Wyoming, by S.F. Daly
ERDC/CRREL LR-02-59	Dec 2001	Dugway Proving Ground Installation Restoration Program (GIS): Software Documentation and Training Materials, by P.T. Cedfeldt and D.C. Finnegan
ERDC/CRREL LR-02-60	Nov 2001	Preliminary Hydrogeological Interpretations of the Poleline Road Disposal Area Fort Richardson, Alaska, by S.E. Kopczynski and D.E. Lawson

¹ Limited distribution; see Preface.

ERDC/CRREL LR-02-61	May 2002	Ice Impacts on the Upper Lisle Bridge Resulting from the Proposed Change in Operation of the Whitney Point Lake Project, by S.F. Daly and J.E. Zufelt
ERDC/CRREL LR-02-62	May 2002	Review of Proposed Change to the Fermi 2 General Service Water System De-Ice System for Susceptibility to Frazil Ice, by S.F. Daly
¹ ERDC/CRREL LR-02-63	Jul 2002	Fort Greeley Test Bed Missile Silo Site Survey Using Ground-Penetrating Radar, by P. Smallidge
ERDC/CRREL LR-02-65	Aug 2002	Spring Runoff Characterization Ely Mine, Vershire, Vermont, Spring 2002, by J.V. Holmes, S.R. Bigl, D.E. Lawson, R.R. Seal II, and N.M. Piatak
ERDC/CRREL LR-02-66	Sep 2002	Vertical Ground-Coupled Heat Exchanger Test Requirements, by G. Phetteplace
¹ ERDC/CRREL LR-02-67	Jan 2002	Use of Groundwater for HVAC at the UAC Site, by G. Phetteplace
¹ ERDC/CRREL LR-02-68	Oct 2002	Ft. Carson Heat Distribution System IR Survey, 31 July - 4 August 2002, by G. Phetteplace
ERDC/CRREL LR-02-69	Aug 2002	SNTHERM-RT Predictions of Pavement Temperature, by L. Peck, R. Jordan, and G. Koenig
¹ ERDC/CRREL LR-02-70	Jun 2002	Recommended Tests and Testing Facilities for Unmanned Ground Combat Vehicle (UGCV), by G. Phetteplace, J. Lever, S. Shoop, and C. Ryerson
ERDC/CRREL LR-02-71	Feb 2002	Permafrost Degradation: Problem Statement, Knowledge Gaps and Related Research Activities, by D.M. Cole
ERDC/CRREL LR-02-73	Jul 2002	2001 Remedial Progress Report Operable Unit C - Eagle River Flats, by U.S. Army Engineer Research and Development Center, Cold Regions Research and Engineering Laboratory
¹ ERDC/CRREL LR-02-74	Jul 2002	Remediating and Monitoring White Phosphorus Contamination at Eagle River Flats (Operable Unit C), Fort Richardson, Alaska: FY 01 Report, by C.M. Collins, M.R. Walsh, M.E. Walsh, C.H. Racine, R.N. Bailey, and C.R. Williams

¹ Limited distribution; see Preface.

¹ ERDC/CRREL LR-02-78	Oct 2002	MicroPhase Coatings Laboratory Test Results, by N. Mulherin
¹ ERDC/CRREL LR-02-79	Aug 2002	Foster-Miller Laboratory Test Results, by N. Mulherin
ERDC/CRREL LR-02-80	Jun 2002	Trends in Chemical Data, Birch Hill Aquifer, Fort Wainright, Alaska, by T.A. Myse, D.E. Lawson, and S.R. Bigl
ERDC/CRREL LR-02-81	Oct 2002	An Experimental Study of the Behavior of Polymer Composites in the Cryogenic Temperature Range, by P. Dutta and S.C. Kwon
ERDC/CRREL LR-02-82	Nov 2002	Review of Material Provided by the Louis Berger Group, Inc., by S.A. Grant
ERDC/CRREL LR-02-83	Sep 2002	Geophysical Investigations at the Former Site of Building 786, Fort Richardson, Alaska, by B.N. Astley and A.J. Delaney
ERDC/CRREL LR-02-84	Dec 2002	Annual Report: Ice Force Measurements, St. Regis River 2002, by R.B. Haehnel and J. Gagnon
ERDC/CRREL LR-02-85	Nov 2002	Preliminary Observations from Geophysical Investigations Conducted at the Poleline Road Disposal Area, OUB, Fort Richardson, Alaska, Summer 2002, by S.R. Bigl and S.E. Kopczynski
ERDC/CRREL LR-02-86	Jan 2002	Preliminary Geophysical Investigations at the Poleline Road Disposal Area, Fort Richardson, Alaska, by P.A. Heiser, S.E. Kopczynski, A. Delaney, S. Epps, and D.E. Lawson
ERDC/CRREL LR-02-87	Jun 2002	Ground Water Data from Operable Unit 5, Fort Wainright, Alaska, for the Period 1995-2002, by S.E. Kopczynski and D.E. Lawson
ERDC/CRREL LR-03-1	Dec 2001	Experimental Results of Shipboard Thick Composite Structures from Thermomechanical Stresses of Fire, by D. Hui, P. Dutta, and G. Durell
ERDC/CRREL LR-03-2	Feb 2003	XM153 Sympathetic Detonator (SYDET) Acoustic Signature Measurements Winter Engineering Test, Camp Ripley, Minnesota, 2-8 March 2002, by S.N. Decato, D.L. Carbee, D.G. Albert, and J.A. Nagle

¹ Limited distribution; see Preface.

ERDC/CRREL LR-03-3	Jan 2003	Fort Wainright Hydrogeology, 1995-2002, by S.E. Kopczynski, S.R. Bigl, J.V. Holmes, T.A. Myse, and C.F. Snyder
¹ ERDC/CRREL LR-03-4	May 2003	Ground-Based Midcourse Defense Segment (GMD) Silo Mapping at MECK 1, MECK 2, and LF-21, by L. Danyluk, W. Gray, and P. Smallidge
ERDC/CRREL LR-03-5	Dec 2002	Performance of Montana Highway Pavements During Spring Thaw, by V. Janoo and A. Greateorex
ERDC/CRREL LR-03-6	Apr 2003	Geophysical Surveys at Objective Areas B, C, and D, Davis Range Fort Richardson, Alaska, by B. Astley and A. Delaney
ERDC/CRREL LR-03-7	May 2003	Zero-Degree-Cone Test Results, by N. Mulherin
ERDC/CRREL LR-03-8	Oct 2002	Historical Aerial Photographic Analysis of the Poleline Road Disposal Area, OUB, Fort Richardson, Alaska, by S.A. Epps and S.R. Bigl
ERDC/CRREL LR-03-9	Apr 2003	Historical Photographic Analysis of the Building 786 Site, Fort Richardson, Alaska, by S.A. Epps
ERDC/CRREL LR-03-10	Jul 2002	Extreme Ice Thicknesses and Concurrent Wind Speeds for Freezing rain in the Pacific Northwest, by K.F. Jones
¹ ERDC/CRREL LR-03-11	Dec 2001	Investigation of the Differences in the Application of the Canadian and U.S. Methodology for Estimates of Ice Loads for a 50-YR Return Period, by K.F. Jones and R. Morris
ERDC/CRREL LR-03-12	Jun 2003	Preliminary Summary of Groundwater Flow Derived from the CRREL Flow Probes, Haines Fuel Terminal, Haines, Alaska, by S. Kopczynski, S. Bigl, and J. Holmes
ERDC/CRREL LR-03-13	Sep 2002	Beta Test of CRRELVUEW and FASSTC, by J. Gagnon
ERDC/CRREL LR-03-14	2001	Review of Potential Impacts of the Proposed GVEA Pwerline on Ecosystems on the Tanana Flats, by M.T. Jorgenson and C.H. Racine
ERDC/CRREL LR-03-15	Jul 2003	Annual Report: Ice Force Measurements, St. regis River 2003, by C.M. Vuyovich, R.B. Haehnel, and J. Gagnon

¹ Limited distribution; see Preface.

ERDC/CRREL LR-03-16	Aug 2003	Constitutive Modeling for A4 Silt, by N. Burton, P. Sullivan, M. Evans, and S. Shoop	
¹ ERDC/CRREL LR-03-17	Nov 2003	Laboratory Ice Adhesion Test results, by N. Mulherin	
ERDC/CRREL LR-03-18	Oct 2003	XM153 Sympathetic Detonator (SYDET) Quick-Look Acoustic Signature Measurements Development Test (DT), Blossom Point, Maryland, 16 September 2003, by D.G. Albert, F.E. Perron, Jr., and S.N. Decato	
ERDC/CRREL LR-03-19	Aug 2003	A Study of the Long-Term Applications of Vinyl Sheet Piles, by P.K. Dutta and U. Vaidya	ADA431046
ERDC/CRREL LR-03-21	Nov 2003	Fatigue Evaluation of Multiple Fiber-Reinforced Polymer Bridge Deck Systems Over Existing Girders: Phase II Report, by P.K. Dutta, R. Lopez-Anido, S.C. Kwon, and G.D. Durell	
¹ ERDC/CRREL LR-03-22	Dec 2003	Laboratory Ice Adhesion Test Results for Fluoroelastomer Samples, by N. Mulherin	
ERDC/CRREL LR-03-23	Jul 2003	Remediating and Monitoring White Phosphorus Contamination at Eagle River Flats (Operable Unit C), Fort Richardson, Alaska: FY 02 Report, by C.M. Collins and D.W. Cate	
¹ ERDC/CRREL LR-04-01	Jan 2004	Laboratory Ice Adhesion Test Results for Silicone Samples, by N. Mulherin	
ERDC/CRREL LR-04-02	Nov 2002	Laboratory Determination of Unfrozen Water Contents of Soils from the Site of an Artificially Frozen wall, by S.A. Grant and G.E. Boitnott	
¹ ERDC/CRREL LR-04-03	Sep 2003	Technology for Range Security, by L. Peck and J.S. Morse	
ERDC/CRREL LR-04-04	May 2003	Knik Inlet Water Sampling, Anchorage, Alaska, by B.N. Astley, A. Staples, and A.J. Delaney	
ERDC/CRREL LR-04-5	Apr 2004	Roofing Problems at the Ambulatory Health Care Center, McGuire AFB, New Jersey, by J.S. Buska and A.R. Greatorex	
¹ ERDC/CRREL LR-04-06	Aug 2001	Contaminant Source Area Treatment Status and Sample Data, by D. McKay	
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¹ ERDC/CRREL LR-04-08	Mar 2004	Contaminant Source Area Treatment Status and Sample Data, by D. McKay	

¹ Limited distribution; see Preface.

¹ ERDC/CRREL LR-04-09	Apr 2002	Contaminant Source Area Treatment Status and Sample Data, by D. McKay	
¹ ERDC/CRREL LR-04-10	Mar 2000	TCE Source Area Treatment Progress Report, by D. McKay	
ERDC/CRREL LR-04-11	Mar 2004	Investigation of Fuel Contamination Using Laser-Induced Fluorescence Probing Technology, by D. McKay	
¹ ERDC/CRREL LR-04-12	Mar 2003	Contaminant Source Area Treatment Status and Sample Data, by D. McKay	
¹ ERDC/CRREL LR-04-13	Sep 2002	Contaminant Source Area Treatment Status and Sample Data, by D. McKay	
¹ ERDC/CRREL LR-04-14	Jul 2002	Ground Water Sampling Report, by D. McKay	
ERDC/CRREL LR-04-15	May 2004	Laboratory Ice Adhesion Test Results for Commercial Icephobic Coatings, by N. Mulherin	
ERDC/CRREL LR-04-16	Jul 2004	Quantifying the Effect of a Freeze-Thaw Cycle on Soil Erosion: Laboratory Experiments, by M.G. Ferrick and L.W. Gatto	ADA431076
¹ ERDC/CRREL LR-04-17	Jun 2004	Confidential Results of Laboratory Ice Adhesion Tests, by N. Mulherin	
ERDC/CRREL LR-04-18	Jun 2004	Technology Demonstration Final Report: Field Demonstration of Rhizosphere-Enhanced Treatment of Organics-Contaminated Soils on Native American Lands with Application to Northern FUD Sites, by C.M. Reynolds	
ERDC/CRREL LR-04-19	Jun 2004	Cost and Performance Report: Field Demonstration of Rhizosphere-Enhanced Treatment of Organics-Contaminated Soils on Native American Lands with Application to Northern FUD Sites, by C.M. Reynolds	ADA431035
¹ ERDC/CRREL LR-04-20	Jul 2004	Qualification Environmental Exposures and Durability Testing of SCCI TufLam™ Structural Composites Systems for Strengthening Concrete and Masonry Structures, by P.K. Dutta	
ERDC/CRREL LR-04-21	Aug 2004	Thermal Testing of Raytheon Composite Aluminum Reflective Shields and Panels, by P.K. Dutta and G.D. Durell	
¹ ERDC/CRREL LR-04-22	Jul 2004	Two Deployments of Remotely Monitored Battlefield Sensor System (REMBASS), by J. Gagnon	

¹ Limited distribution; see Preface.

¹ ERDC/CRREL LR-04-23	May 2004	Analysis of Variation in Passive Infrared Sensor Signals from Guard Crossings During the Month of April 04, by J. Gagnon
ERDC/CRREL LR-04-24	Aug 2004	Laboratory Ice Adhesion Test Results for Environmentally Stressed, NuSil-Coated Samples, by N. Mulherin
ERDC/CRREL LR-04-25	Jul 2004	Using High Spatial Resolution Digital Imagery, by M.V. Campbell, R.L. Fischer, and T. Pangburn
ERDC/CRREL LR-04-26	Aug 2004	Soil Gas Sampling Report, by D. McKay
¹ ERDC/CRREL LR-04-27	Jul 2004	Test and Evaluate Winter Concrete Mixtures: A Field Demonstration of an Antifreeze Admixture Made from Off-the-shelf Products, by C. Korhonen and P. Semen
¹ ERDC/CRREL LR-04-28	Mar 2004	A Guide to the Field Production and Use of Off-the-Shelf Concrete Admixtures as Antifreeze Admixtures, by C.J. Korhonen, P.M. Semen, and L.A. Barna
¹ ERDC/CRREL LR-04-29	Jun 2004	Placing Antifreeze Concrete at Grand Forks Air Force Base (Draft), by C. Korhonen and P. Semen
¹ ERDC/CRREL LR-04-30	Sep 2004	Laboratory Ice Adhesion Test Results for Developmental Coatings on Fiberglass Piles, by N. Mulherin
ERDC/CRREL LR-04-31	Sep 2004	Fiber Reinforced Polymers (FRP) as a Solution for Corrosive and Aggressive Environments, by P.K. Dutta and A. Kumar
ERDC/CRREL LR-04-32	Jun 2004	Extreme Ice Thicknesses and Concurrent Wind Speeds for Freezing Rain in the Southeastern United States, by K.F. Jones
¹ ERDC/CRREL LR-04-33	Sep 2004	Appendix A: CRREL Analyses of Snow Depth and Snowfall Frequency of Occurrence for Fort Greely, Alaska, by J. Buska and P. Smallidge
¹ ERDC/CRREL LR-04-34	Sep 2004	Appendix B: CRREL Silo Closure Mechanism Static Tests Report, by J. Buska, L. Danyluk, and P. Smallidge
¹ ERDC/CRREL LR-04-35	Sep 2004	Appendix C: CRREL Cold and 15-Inch Snow Depth Test Report, by P. Smallidge, L. Danyluk, J. Buska, and T. Tantilillo

¹ Limited distribution; see Preface.

¹ ERDC/CRREL LR-04-36	Sep 2004	Appendix D: CRREL 70 PSF Snow Load Test Report, by L. Danyluk, J. Buska, and P. Smallidge
ERDC/CRREL LR-04-37	Sep 2004	Evaluating the Capability of Ground-Penetrating Radar to Define Tree Roots and Cracks in Concrete Walls, by A. Palazzo, N. Yankielun, L. Gatto, and T. Cary
ERDC/CRREL LR-04-38	Sep 2004	Technical Performance Assessment Report: Second Iowa Field Demonstration, Winter 2003-2004, by G. Phetteplace, G. Koenig, et al.
¹ ERDC/CRREL LR-04-39	Apr 2002	Remedial Action Plan for US Army Cold Regions Research and Engineering Laboratory Hanover, NH, by D. McKay
ERDC/CRREL LR-04-40	Oct 2003	Hydrogeology of the Poleline Road Disposal area, Operable Unit B, Fort Richardson, Alaska, by S.E. Kopczynski, S.R. Bigl, J.V. Holmes, G.S. Baker, D.C. Finnegan, A.J. Delaney, and J.L. Andrews
ERDC/CRREL LR-04-41	Sep 2004	Extreme Ice Thicknesses from Freezing rain, by K.F. Jones, N. Lott, and R. Thorkildson
ERDC/CRREL LR-04-42	Oct 2004	Utilidor Survey for the Greater Fairbanks Military Complex Joint Long Range Energy Study, by G. Phetteplace
ERDC/CRREL LR-04-44	Oct 2004	Maps of Poleline Road Plumes and Groundwater Table, 1997-2003, Operable Unit B, Fort Richardson, Alaska, by S.R. Bigl, S.E. Kopczynski, and J.V. Holmes
ERDC/CRREL LR-05-01	Jan 2005	Geological Setting of the Birch Hill Tank Farm, Operable Unit 3, Fort Wainright, Alaska, by T.A. Douglas
¹ ERDC/CRREL LR-05-02	Feb 2005	Analysis of Test Section Data: Phase III of Variable Tire Pressure Study, by M.P. Rollings, C.E. Smith, and S.A. Orchino
ERDC/CRREL LR-05-03	Jan 2005	Spatial Factors for Extreme Ice and Extreme Wind: Task 2 Calculation of Spatial Factors from Ice and Wind Data, by K.F. Jones
ERDC/CRREL LR-05-04	Mar 2005	Laboratory Ice Adhesion Test Results for Optimized, Developmental NuSil-Coated Samples, by N. Mulherin

¹ Limited distribution; see Preface.

¹ ERDC/CRREL LR-05-07	Jun 2005	Laboratory Test Results for Ice Adhered to Pyrex Glass and Honda-Grade Painted Samples, by N. Mulherin
ERDC/CRREL LR-05-08	May 2004	Feasibility of Four-Tractor Fleet for South Pole Traverse Year Three, by J.H. Lever and J. Weale
ERDC/CRREL LR-05-09	Dec 2002	Shear Zone Snow Bridge Safety Analysis, by J.H. Lever
ERDC/CRREL LR-05-10	Mar 2005	Operable Unit 3, Permafrost Resistivity Investigation, Fort Wainright, Alaska, by B.N. Astley
ERDC/CRREL LR-05-11	May 2001	Field-Expedient Calculator Programs for Snow Moisture, Snow Density and Soil Moisture, by S.N. Decato
ERDC/CRREL LR-05-13	Aug 2005	Knik Inlet Water Sampling, Anchorage, Alaska, by B.N. Astley and A.J. Delaney
ERDC/CRREL LR-05-14	Mar 2005	Refined 3D Geologic Model of the Poleline Road Disposal Area, Operable Unit B, Fort Richardson, Alaska, by C. Snyder, S.E. Kopczynski, and B.N. Astley
ERDC/CRREL LR-05-15	Nov 2005	Assessment of the Effectiveness of the Israel River Ice Control Structure, Lancaster, NH, by C.M. Vuyovich and K.D. White
ERDC/CRREL LR-05-16	2005	Durability Test Report for FIBRWRAP Composites, by P.K. Dutta
ERDC/CRREL LR-06-01	Feb 2006	Analysis of the Falcon System for Delivering and Mixing DECON Green Components at Sub-Freezing Temperatures, by C.M. Reynolds, L.J. Zabilansky, and S.E. Hardy
¹ ERDC/CRREL LR-06-02	Mar 2006	Modeling Freeze-Thaw Cycling of the South Pole Station Exterior Sheathing, by G. Phetteplace and J. Weale
ERDC/CRREL LR-06-03	Jan 2006	An Infrared Survey of the South Pole Station Modernization Project, by G. Phetteplace
ERDC/CRREL LR-06-04	Mar 2006	Fate of Plant Tissue Associated RDX in Surface Soil: SERDP ER-1412 Annual Report for 2005, by C.M. Reynolds, L. Newman, and J. Ferry
ERDC/CRREL LR-06-05	Apr 2006	Laboratory Ice Adhesion Test Results for Titanium Samples, and Urethane-Coated, and Silicone-Coated Samples, by N. Mulherin

¹ Limited distribution; see Preface.

ERDC/CRREL LR-06-06	Apr 2006	Remediating and Monitoring White Phosphorus Contamination at Eagle River Flats (Operable Unit C), Fort Richardson, Alaska: FY05 Data Report, by S.R. Bigl and C.M. Collins
ERDC/CRREL LR-06-07	Jun 2006	An Infrared Survey of the New Bassett Hospital, Fort Wainright, Alaska, by J. Buska and K. Claffey
ERDC/CRREL LR-06-08	Jun 2006	Characterization of the Turbulent Flow Under a Rotorcraft: An Initial Study, by R.B. Haehnel
ERDC/CRREL LR-06-09	Jul 2006	Air Curtain Tests at Eielson AFB Small Arms Range, by J. Buska and J. Zufelt
¹ ERDC/CRREL LR-06-10	Apr 2006	Inspection and Infrared Survey of Door Icing Problem at IDT 1, Fort Greely, Alaska, by J. Buska and K. Claffey
ERDC/CRREL LR-06-11	Aug 2006	Permafrost Investigation, Stewart River Training Area, by B. Astley
ERDC/CRREL LR-06-12	Aug 2006	Cold Temperature Testing of Geotextiles: New, and Moistened with Soil Fines Emplaced, by K.S. Henry and G.R. Durell
ERDC/CRREL LR-06-13	Aug 2006	Final Report: Ice Force Measurements, St. Regis River 1989-2004, by R.B. Haehnel, C.M. Vuyovich, and J. Gagnon
ERDC/CRREL LR-06-14	Nov 2006	Permafrost Investigation for Munitions Storage Area Relocation, Eielson Air Force Base, Alaska, by B. Astley, A. Delaney, A. Gelvin, S. Saari, and A. Staples
ERDC/CRREL LR-06-15	Jul 2006	Ground-Penetrating Radar (GPR) Investigation: Russell Moraine, Yakutat, Alaska, by S.A. Arcone, D.E. Lawson, A.J. Delaney, and A. Staples
ERDC/CRREL LR-06-16	May 2006	Visual RADTRAN: User's Guide, by V.J. Falcone, Jr., J.A. Nagle, and G.C. Koenig
ERDC/CRREL LR-06-17	Apr 2006	Knik Arm Water Sampling, Anchorage, Alaska, by B.N. Astley, A. Staples, and J.E. Zufelt
ERDC/CRREL LR-07-01	May 2007	Remediating and Monitoring White Phosphorus Contamination at Eagle River Flats (Operable Unit C), Fort Richardson, Alaska: FY06 Data Report, by S.R. Bigl and C.M. Collins

¹ Limited distribution; see Preface.

ERDC/CRREL LR-07-02	2007	Estimating Water Content in Snow: A Practical Guide for Measuring, Recording, and Reporting on Snow, by S. Daly and J. Hardy
ERDC/CRREL LR-07-03	Jun 2007	Infrared Thermography of SPSM Circuit Breaker Panels, by G. Phetteplace and J. Richards
ERDC/CRREL LR-07-04	Jun 2007	Infrared Thermography of the Building Envelope of the Ice Cube Laboratory, South Pole, Antarctica, by G. Phetteplace, J. Richards, and L. Conchelos
ERDC/CRREL LR-07-05	Jun 2007	Infrared Thermography of the Building Envelope of the Martin A. Pomerantz Observatory, South Pole, Antarctica, by G. Phetteplace, J. Richards, and L. Conchelos
ERDC/CRREL LR-07-06	Jun 2007	Infrared Thermography of the Building Envelope of the Dark Sector Laboratory, South Pole, Antarctica, by G. Phetteplace, J. Richards, and L. Conchelos
ERDC/CRREL LR-07-07	Jun 2007	Infrared Thermography of the Building Envelope of the Atmospheric Research Observatory, South Pole, Antarctica, by G. Phetteplace, J. Richards, and L. Conchelos
ERDC/CRREL LR-07-08	Jun 2007	Infrared Thermography of the Building Envelope of the New Cryogen Facility, South Pole, Antarctica, by G. Phetteplace, J. Richards, and L. Conchelos
ERDC/CRREL LR-07-09	Jun 2007	Infrared Survey of the Elevated Station, 2006-2007 Season, South Pole, Antarctica, by G. Phetteplace
ERDC/CRREL LR-07-10	Aug 2007	F22 Fighter Town Geophysical Investigation, Elmendorf Air Force Base Alaska, by B. Astley, A. Delaney, K. Bjella, A. Staples, S. Saari, and C. Chalup
ERDC/CRREL LR-07-11	Sep 2007	Knik Arm Water Sampling, Anchorage, Alaska, May 2007, by B. Astley, J. Zufelt, and A. Staples
¹ ERDC/CRREL LR-07-12	Nov 2007	Laboratory Shear-Testing Results for Ice Adhered to NASA SILC Samples, by N. Mulherin and R. Haehnel

¹ Limited distribution; see Preface.

ERDC/CRREL LR-07-13	2007	A Dendroclimatic Record of Paleoclimate of the Last 10,000 Years, Glacier Bay National Park and Preserve: Progress Understanding Climate Change in Southeast Alaska, Annual Report 2006, by D. Lawson, G. Wiles, L. Conkey, and D. Finnegan
ERDC/CRREL LR-08-01	Mar 2008	PME Geophysical Investigation, Elmendorf Air Force Base Alaska, by B. Astley, A. Delaney, K. Bjella, A. Staples, S. Saari, and C. Chalup
ERDC/CRREL LR-08-02	Mar 2008	Refined Geologic Interpretations from June 2007 Drilling (AP-5245, AP-5246): Poleline Road Disposal Area, Operable Unit B, Fort Richardson, Alaska, by S. Kopczynski, C. Snyder, and B. Astley
¹ ERDC/CRREL LR-08-03	Apr 2008	Evaluation of Impacts of Icing and Snow on Use of Photovoltaic Solar Farms in Northern Locations, by R. Haehnel, J. Buska, K. Jones, and A. Greatorex
ERDC/CRREL LR-08-04	May 2008	Remediating and Monitoring White Phosphorus Contamination at Eagle River Flats (Operable Unit C), Fort Richardson, Alaska: FY07 Data Report, by S.R. Bigl and C.M. Collins
¹ ERDC/CRREL LR-08-05	Apr 2008	Ice Adhesion Test Results, by R.B. Haehnel
¹ ERDC/CRREL LR-08-06	Jan 2008	Air Vehicle Technology Integration Program (AVTIP), Delivery Order 0054: Opportune Landing Site (OLS) Critical Experiment Technology Maturation Plan, by Capt. J. Rufa, K. Eizenga, C. Ventresca, R. McCarty, R. Almassy, and C. Ryerson
ERDC/CRREL LR-08-08	2008	Characterization of Freshwater EM Subbottom Sediment Properties and Target Responses for Detection of UXO with Ground-Penetrating Radar (GPR), by S.A. Arcone
ERDC/CRREL LR-08-09	Oct 2008	EMAS Cold Weather Performance Investigations, by B.A. Coutermarsh
ERDC/CRREL LR-08-10	Nov 2008	Thule Air Force Base Airfield White Painting and Permafrost Investigation, by K. Bjella

¹ Limited distribution; see Preface.

ERDC/CRREL LR-08-11	Sep 2008	Scientific Characterization of Cold Region Environments for Army Testing of Materiel and Systems and a Technical Analysis of Interior Alaska, by R.S. Harmon, Col. E.J. Palka, C. Collins, W. Doe, E. McDonald, K. Redmond, C. Ryerson, S. Shoop, L. Spears, and M. Sturm
ERDC/CRREL LR-08-12	Sep 2008	Initial Set of Use Cases for High-Fidelity Synthetic Environment / Virtual Autonomous Navigation Environment Development Tied to Unmanned Ground Vehicle Capability Gaps, by J.A. Nagle, N.C. Goerger, and LTC. S.M. DeLong
ERDC/CRREL LR-08-13	Oct 2008	Integrated Marine Studies of the Hubbard Glacier System, Alaska in Support of Catastrophic Flood Risk Assessment, by D.E. Lawson
ERDC/CRREL LR-09-01	Mar 2009	Catastrophic Flooding and the Hubbard Glacier System: Report on Phase 1 Airborne Geophysical Investigation, by D.E. Lawson
ERDC/CRREL LR-09-02	Apr 2009	Remediating and Monitoring White Phosphorus Contamination at Eagle River Flats (Operable Unit C), Fort Richardson, Alaska, by S.R. Bigl and C.M. Collins
ERDC/CRREL LR-09-03	2009	Climate Monitoring in Glacier Bay National Park and Preserve: Capturing Climate Change Indicators, 2007 Annual Report, by D.E. Lawson, and D.C. Finnegan
ERDC/CRREL LR-09-04	2009	A Dendroclimatic Record of Paleoclimate of the Last 10,000 Years, Glacier Bay National Park and Preserve: Progress Understanding Climate Change in Southeast Alaska, Annual Report 2007, by D. Lawson, G. Wiles, and D. Finnegan
ERDC/CRREL LR-09-5	2009	Climate Monitoring in Glacier Bay National Park and Preserve: Capturing Climate Change Indicators, 2008 Annual Report, by D.E. Lawson, and D.C. Finnegan
ERDC/CRREL LR-09-6	2009	Paleoclimate of the Last 10,000 Years, Glacier Bay National Park and Preserve: Progress Understanding Climate Change in Southeast Alaska, Annual Report 2008, by D. Lawson and G. Wiles

ERDC/CRREL LR-10-01	Oct 2009	Estimating Modulus Values for Layers in a Flexible Pavement Incorporating a Geocomposite Capillary Barrier Drain, by L.A. Barna, K.S. Henry, D.M. Solano Velez, and J.C. Stormont
ERDC/CRREL LR-10-02	2010	Decontamination of VX Nerve and HD Mustard Gas Simulants on a Solid surface at -32 °C Using Cold Weather Variants of the Decontamination Agent Decon Green, by D.B. Ringelberg, K.L. Foley, G.W. Wagner, and C.M. Reynolds
ERDC/CRREL LR-10-4	Jan 2010	Thule Air Force Base Hangar 9 and 10 Permafrost Degradation Investigation with Addendum, by K. Bjella
ERDC/CRREL LR-10-05	Mar 2010	Thule Air Base Airfield White Painting and Permafrost Investigation Phase II, by K. Bjella
ERDC/CRREL LR-10-06	Apr 2010	Gerstle River Test Site Burial Pit Geophysical Investigation, by B. Astley, A. Delaney, A. Gelvin, and A. Staples
ERDC/CRREL LR-10-07	Jan 2010	Phase III: Guidance for Optimizing Admixture Dosage Rates; Data Review and Project Framework Development, by L.A. Barna
ERDC/CRREL LR-10-08	May 1990	Review of CRS Sirtine 30 April 1990 Report, Recommendations and Calculations on Roofing and Attic Ventilation Problems at Fort Drum, J. Buska, W. Tobiasson, and A. Greatorex
ERDC/CRREL LR-10-09	Feb 1990	Roof Icing and Leakage Problems on New Facilities at Fort Drum, New York, by J. Buska, A. Greatorex, and W. Tobiasson
ERDC/CRREL LR-10-10	Aug 2001	Vehicle Trafficability of Freezing and Thawing Ground Conditions, by S. Shoop, G. Koenig, and P. Richmond
ERDC/CRREL LR-10-11	May 2010	Remediating and Monitoring White Phosphorus Contamination at Eagle River Flats (Operable Unit C), Fort Richardson, Alaska: FY09 Data Report, by S.R. Bigl and C.M. Collins
ERDC/CRREL LR-11-01	Feb 2011	Suitability of a Light Weight Deflectometer (LWD) and Ultrasonic Pulse Velocity (UPV) Meter as EMAS Condition Assessment Tools, by K. MacDonald and B. Coutermarsh
ERDC/CRREL LR-11-02	Feb 2011	Settlement Agreement Monitoring Studies Eagle River Flats, Alaska, August 2009, by B. Astley, R. Nenahlo, A. Staples, and A Stewart

ERDC/CRREL LR-11-03	Mar 2011	Settlement Agreement Monitoring Studies Eagle River Flats, Alaska, August 2010, by B. Astley, R. Nenahlo, A. Staples, and A Stewart
ERDC/CRREL LR-11-04	Jul 2011	Remediating and Monitoring White Phosphorus Contamination at Eagle River Flats (Operable Unit C), Fort Richardson, Alaska: FY10 Data Report, by M.E. Walsh and C.M. Collins
ERDC/CRREL LR-11-05	Apr 2011	Climate Site Assessment, by D.E. Lawson
ERDC/CRREL LR-11-06	2011	Climate Monitoring in Glacier Bay National Park and Preserve: Capturing Climate Change Indicators, by D.E. Lawson, M. Klaar, D.C. Finnegan, and S. Campbell
ERDC/CRREL LR-11-07	2011	Paleoclimate of the Last 10,000 Years, Glacier Bay National Park and Preserve: Progress Understanding Climate Change in Southeast Alaska: Annual Report 2010, by D. Lawson, G. Wiles, and N. Wiesenberg
¹ ERDC/CRREL LR-11-08	Jul 2011	High Performance Plastic Sled Design for Polar Traversing: King HMW-PE Tensile Results, by J.C. Weale, J. Trovillion, and J.H. Lever
¹ ERDC/CRREL LR-11-09	Jun 2011	High Performance Plastic Sled Design for Polar Traversing: Roechling HMW-PE Tensile Results, by J.C. Weale, J. Trovillion, and J.H. Lever
ERDC/CRREL LR-11-10	Dec 2011	Poleline Road Dispersal Area Hydrologic Analysis and Modeling Summary Report, by C. Snyder and B. Astley
ERDC/CRREL LR-11-11	Jun 2011	WAIS Divide Arch Facility Inspection for Extended Field Seasons, by J.H. Rand, L. Barna, and N. Zeigler
ERDC/CRREL LR-11-12	Dec 2011	Thule Air Base Airfield White Painting and Permafrost Investigation Phase I-IV, by K. Bjella
ERDC/CRREL LR-12-1	Aug 2011	Thule Air Base FY12 Dormitory Permafrost and Geotechnical Investigation, by K. Bjella
ERDC/CRREL LR-12-2	Jan 2012	Thule Air Base FY13 Dormitory Permafrost and Geotechnical Investigation, by K. Bjella
ERDC/CRREL LR-12-3	Oct 2013	Thule Air Base Consolidated Facilities Permafrost and Geotechnical Investigation and Test Pit Addendum, by K. Bjella

¹ Limited distribution; see Preface.

ERDC/CRREL LR-12-4	Mar 2012	Numerical Modeling of NG Diffusion in Propellant Grains, by J.S. Pitt
ERDC/CRREL LR-12-6	Feb 2012	Hydrologic Assessment and Water Level Records for Poleline Road Disposal Area 1995-2011, Fort Richardson, Alaska, by B. Astley, A. Staples, and C. Snyder
ERDC/CRREL LR-12-7	Nov 2012	Instrumented Below Ground Biomass Sampler, by J.A. Silvestre-Soto, K. MacDonald, N. Buck, and S. Shoop
ERDC/CRREL LR-12-8	Nov 2012	Projections of Future Air Temperatures and Melt Season Duration for McMurdo Station and Pegasus Runway, by J.W. Weatherly and J. Helble
ERDC/CRREL LR-13-1	Feb 2013	West Antarctic Ice Sheet Divide Ice Core Processing Room and Ice Core Storage Facility Design Alternatives, by J.C. Weale
ERDC/CRREL LR-13-2	2013	Paleoclimate of the Last 10,000 Years, Glacier Bay National Park and Preserve: Progress Understanding Climate Change in Southeast Alaska: Annual Report 2012, by D. Lawson, G. Wiles, and N. Wiesenberg
ERDC/CRREL LR-13-3	Jul 2013	Preliminary Site Preparation Assessment and Proposed Earthwork for Phases 1-5, by R. Affleck
¹ ERDC/CRREL LR-13-4	Sep 2013	Snow Drift Control Recommendations: Forward Operating Site Kurecik, by R.B. Haehnel, B. Tracy, E. Deeb, and J. Weatherly
¹ ERDC/CRREL LR-14-1	Dec 2013	Laboratory and VASST Testing for Mechanical Properties of Lightly Vegetated Sands, by S.A. Shoop, K.A. MacDonald, and G.D. Durell
ERDC/CRREL LR-14-2	Jan 2014	Expedient Permafrost Resistivity Investigation, by K. Bjella
ERDC/CRREL LR-14-3	Jan 2014	Dalton Highway 9 to 11 Mile Expedient Resistivity Permafrost Investigation, by K. Bjella
¹ ERDC/CRREL LR-14-4	May 2014	ERDC-CRREL Nominal Mode I Ice adhesion Testing, by D.M. Cole
ERDC/CRREL LR-14-5	Sep 2014	Elastic Analysis of Ice Pier at McMurdo Station, by D.S. Sodhi
ERDC/CRREL LR-14-6	Sep 2014	Maintenance Costs of Equipment Owned by the National Science Foundation: Preliminary Review, by T. Melendy

¹ Limited distribution; see Preface.

¹ERDC/CRREL LR-14-7 Dec 2014 A Review of the Feasibility of Continued Use of the Wilkins Aerodrome to Provide Air Support for Australian Antarctic Operations, by R. Haehnel and J. Weale

Monographs

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/CRREL M-00-1	Jan 2000	Remote Sensing of In-Flight Icing Conditions Operational, Meteorological, and Technological Considerations, by C.C. Ryerson	ADA373085
ERDC/CRREL M-05-1	Oct 2005	Handbook of Physical Constants and Functions for Use in Atmospheric Boundary Layer Studies, by E.L. Andreas	ADA440352
¹ ERDC/CRREL M-12-1	Sep 2012	EUCOM Natural Backgrounds and U.S. Analogs, by C.C. Ryerson, C.L. Scott, A.L. Coplin, S.P. Gaughan, E. Smallidge, T.M. Sobecki, and J.P. Hardy	ADB391118
¹ ERDC/CRREL M-13-1	Aug 2013	PACOM Natural Backgrounds and U.S. Analogs, by C.C. Ryerson, A.L. Coplin, C.L. Scott, E. Smallidge, T.M. Sobecki, S.P. Gaughan, and J.P. Hardy	ADB392826
¹ ERDC/CRREL M-13-2	Sep 2013	NORTHCOM Natural Backgrounds and U.S. Analogs, by C.C. Ryerson, C.L. Scott, A.L. Coplin, S.P. Gaughan, E. Smallidge, T.M. Sobecki, R.A. Melloh, and J.P. Hardy	ADB395603
¹ ERDC/CRREL M-13-3	Sep 2013	CENTCOM Natural Backgrounds and U.S. Analogs, by C.C. Ryerson, A.L. Coplin, C.L. Scott, E. Smallidge, T.M. Sobecki, S.P. Gaughan, J.P. Hardy and R. Melloh	ADB395604
¹ ERDC/CRREL M-13-4	Sep 2013	AFRICOM Natural Backgrounds and U.S. Analogs, by C.C. Ryerson, A.L. Coplin, C.L. Scott, E.R. Smallidge, T.M. Sobecki, J.P. Hardy, S.P. Gaughan and R.A. Melloh	ADB395605
¹ ERDC/CRREL M-13-5	Oct 2013	SOUTHCOM Natural Backgrounds and U.S. Analogs, by C.C. Ryerson, C.L. Scott, A.L. Coplin, S.P. Gaughan, T.M. Sobecki, R.A. Melloh, and J.P. Hardy	ADB395606

¹ Limited distribution; see Preface.

Special reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/CRREL SR-02-1	May 2002	Snow and Ice Control (SNIC) Equipment and Its Use by Military Units Worldwide, by N.H. Collins	ADA404737
ERDC/CRREL SR-02-2	Oct 2002	Report on the Workshop on New Grass Germplasms and Invasive Weed Control: 30 April-1 May 2002, Fort Carson and the United States Air Force Academy Colorado Springs, Colorado, by S.E. Hardy and A.J. Palazzo	ADA408310
ERDC/CRREL SR-03-1	Jul 2003	Dugway Proving Ground Installation Restoration Program GIS: Software Documentation and Training Materials, by P.T. Cedfeldt, J.D. Schlagel, and D.C. Finnegan	ADA418345
ERDC/CRREL SR-03-2	Dec 2003	An Experiment in Preventing Zebra Mussel Settlement Using Electro-Expulsive Separation Technology, by N.D. Mulherin and A.C. Miller	ADA422495
ERDC/CRREL SR-04-1	Sep 2004	Fast All-Season Soil STrength (FASST), by S. Frankenstein and G.G. Koenig	ADA431603
ERDC/CRREL SR-09-1	Jun 2009	User's Manual for the CRREL Multi-Increment Sampling Tool, by M.R. Walsh	
ERDC/CRREL SR-09-2	Aug 2009	Snow Harvesting: A Potential Water Source for Afghanistan, by K.J. Thompson, K.S. Henry, J.P. Hardy, and A.M. Chalmers	ADA507670
ERDC/CRREL SR-10-1	Jul 2010	LiDAR Point Cloud Database Infrastructure: Hardware and Software Installation Procedures for Establishing a Sun Microsystems and Oracle 11g Spatial Database Installation - Phase 1, by D.C. Finnegan, M. Montreuil, and M. Smith	
ERDC/CRREL SR-10-2	Nov 2010	Challenges for Engineering Design, Construction, and Maintenance of Infrastructure in Afghanistan, by R.T. Affleck and R. Freeman	ADA532415
ERDC/CRREL SR-11-1	Nov 2011	Flora and Field Guide References Supporting All U.S. Army Corps of Engineers Wetland Regional Supplements, by R. Lichvar and L. Dixon	ADA553492
ERDC/CRREL SR-12-1	Dec 2012	Recommendations for Vehicle Dust Control at McMurdo Station, Antarctica, by P.M. Seman and R.T. Affleck	

¹ ERDC/CRREL SR-13-1	Oct 2013	Enhancing Geospatial Processes for the Production of Winter Speed Maps, by R.T. Affleck, S.P. Gaughan, and P.W. Richmond	ADB393494
ERDC/CRREL SR-14-1	Feb 2014	Stability Operations: Assessment of Science and Technology Gaps and Requirements, by J.M. Roningen and R.T. Affleck	
ERDC/CRREL SR-14-2	Sep 2014	Elevated Building Lift Systems on Permanent Snowfields: A Report on the Elevated Building Lift Systems in Polar Environments Workshop, by J. Weale, L. Barna, W. Tobiasson, and J. Mercer	ADA609374
ERDC/CRREL SR-14-3	Dec 2014	Preliminary Guidelines and Standard Operating Procedure for Drainage and Erosion Control at McMurdo Station, by R. Affleck and M. Carr	ADA612366
ERDC/CRREL SR-15	May 2015	Indicators of Physical and Biological Trends around the McMurdo Station, Antarctica: A Literature Review, by J.P. Hardy	ADA618136

Technical notes

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/CRREL TN-01-1	Oct 2001	Expected Cost Effect of Increasing the Size of a Frozen-Ground Waste Containment Project at Ft. Detrick, Maryland, by S.A. Grant
ERDC/CRREL TN-03-1	Jan 2003	Ice Engineering: Ice Jams, Winter 2001-2002
ERDC/CRREL TN-03-2	Apr 2003	Ice Engineering: Early Warning Flood Stage Monitoring Equipment
ERDC/CRREL TN-03-3	Apr 2003	Overland Erosion Due to Freeze-Thaw Cycling: Laboratory Experiments, by L.W. Gatto and M.G. Ferrick
ERDC/CRREL TN-03-4	Oct 2003	Ice Engineering: Progress in Evaluating Surface Coatings for Icing Control at Corps Hydraulic Structures, by N.D. Mulherin and R.B. Haehnel
ERDC/CRREL TN-04-1	Apr 2004	Field Sampling Tools for Explosives Residues Developed at CRREL, by M.R. Walsh
ERDC/CRREL TN-04-2	Apr 2004	Cold Regions Engineering: Inclusion of Freeze-Thaw-Induced Soil and Bank Erosion in CoE Planning, Engineering, O&M, and Model Development, by L.W. Gatto, M.G. Ferrick, and K.D. White

¹ Limited distribution; see Preface.

ERDC/CRREL TN-04-3	Jun 2004	Ice Engineering: Method to Estimate River Ice Thickness Based on Meteorological Data, by K. White
ERDC/CRREL TN-04-4	Jun 2004	Publication of a Map Series on the Aquatic Resources for San Jacinto and Portions of the Santa Margarita Watersheds, by R. Lichvar and M. Ericsson
ERDC/CRREL TN-04-5	Jul 2004	Ice Engineering: Ice Jams, Winter 2002-2003, by T.M. Morgan L. Furman, and K. White
ERDC/CRREL TN-04-6	Sep 2004	Cold Regions Engineering: Combined Effects of Temperature and Soils on Infiltration, by S.A. Grant and K. White
ERDC/CRREL TN-05-1	Jan 2005	Ice Engineering: Method to Evaluate Potential for Ice Impacts on Sediment Stability, by A.M. Tuthill and K.D. White
ERDC/CRREL TN-05-2	Feb 2005	Pre-Screening for Explosives Residues in Soil Prior to HPLC Analysis Utilizing Expray, by K.L. Bjella
ERDC/CRREL TN-05-3	Apr 2005	Ice Engineering: Ice Cover Effects on Scour in Narrow Rivers, by L.J. Zabilansky and K.D. White
ERDC/CRREL TN-05-4	Jun 2005	Common Wetland Delineation Sedges of the Northeast, by B. Lichvar
ERDC/CRREL TN-05-6	Sep 2005	Cold Regions Data Acquisition and Analysis for Section 227 National Shoreline Erosion Control Development and Demonstration Program Miami Park South, Allegan County, Michigan, by M.G. Ferrick, L.W. Gatto, and C.R. Williams
ERDC/CRREL TN-05-7	Dec 2005	Soil Freeze-Thaw Effects on Bank Erosion and Stability: Connecticut River Field Site, Norwich, Vermont, by M.G. Ferrick, L.W. Gatto, and S.A. Grant
ERDC/CRREL TN-06-1	Apr 2006	Seismic-Acoustic Active Range Monitoring for Characterizing Low-Order Ordnance Detonation, by T.S. Anderson and J.C. Weale
ERDC/CRREL TN-06-2	Jul 2006	Ice Engineering: Improving Oil Spill Response in Ice-Covered Waters, by L.J. Zabilansky, D.F. Dickens, I. Buist, K.D. White, and G. Cattabriga
ERDC/CRREL TN-06-3	Jul 2006	Delineating and Evaluating Vegetation Conditions of Vernal Pools Using Spaceborne and Airborne Remote Sensing Techniques, Beale Air Force Base, CA, by R.W. Lichvar, D.C. Finnegan, S. Newman, and W. Ochs

ERDC/CRREL TN-08-1	Feb 2008	Ice Jam at the Rio Blanco Diversion Weir on the White River in Colorado: A Case Study of In-Stream Structures and Ice, by A.M. Tuthill
ERDC/CRREL TN-08-2	Jun 2008	A Guide to Alaskan Black Spruce Wetland Bryophytes: Species Specific to Delineation for Interior and South Central Regions, by R.D. Seppelt, G.A. Laursen, and R.W. Lichvar
ERDC/CRREL TN-08-3	Sep 2008	Concepts and Procedures for Updating the National Wetland Plant List, by R.W. Lichvar and P. Minkin
ERDC/CRREL TN-09-1	May 2009	Nomenclature and the National Wetland Plant List, by R. Lichvar and J. Kartesz
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ERDC/CRREL TN-11-1	Sep 2011	Final Protocol for Assigning Wetland Indicator Status Ratings during National Wetland Plant List Update, by R.W. Lichvar and J.J. Gillrich
ERDC/CRREL TN-12-1	Jul 2012	National Wetland Plant List Indicator Rating Definitions, by R.W. Lichvar, N.C. Melvin, M.L. Butterwick, and W.N. Kirchner
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ERDC/CRREL TN-15-2	Nov 2015	Site Assessment and Feasibility of a New Operations Base on the Greenland Ice Sheet: Addendum to Preliminary Report, by M. Bigl and E. Deeb
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Technical reports

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ERDC/CRREL TR-00-1	Mar 2000	Integrating CAD Data with Geographic Information Systems Using AutoCAD and ARD/INFO Software, by P.T. Cedfeldt and M.A. Scott	ADA377146
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¹ Limited distribution; see Preface.

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ERDC/CRREL TR-06-9	Apr 2006	Variations in FASST Predictions of Soil Surface Temperatures, by L. Peck	ADA446854

¹ Limited distribution; see Preface.

ERDC/CRREL TR-06-10	May 2006	Energetic Residues Deposition From 60-mm and 81-mm Mortars, by M.R. Walsh, M.E. Walsh, C.A. Ramsey, R.J. Rachow, J.E. Zufelt, C.M. Collins, A.B. Gelvin, N.M. Perron, and S.P. Saari	ADA449108
ERDC/CRREL TR-06-11	May 2006	Double Lap Shear Testing of Coating Modified Ice Adhesion to Liquid Oxygen Feed Line Bracket, Space Shuttle External Tank, by M.G. Ferrick, N.D. Mulherin, R.B. Haehnel, B.A. Coutermarsh, G.D. Durell, T.J. Tantillo, T.L. St. Clair, E.S. Weiser, R.J. Cano, T.M. Smith, and E.C. Martinez	ADA447148
¹ ERDC/CRREL TR-06-12	Jun 2006	Sensor Performance Evaluator for Battlefield Environments (SPEBE). Tutorial, by D.K. Wilson	ADB317892
ERDC/CRREL TR-06-13	Jun 2006	Comparison of Explosives Residues from the Blow-in-Place Detonation of 155-mm High-Explosive Projectiles, by M.R. Walsh, M.E. Walsh, G. Ampleman, S. Thiboutot, and D.D. Walker	ADA450471
ERDC/CRREL TR-06-14	Jun 2006	Efficacy of DECON Green against VX Nerve and HD Mustard Simulants at Subfreezing Temperatures, by C.M. Reynolds, D.B. Ringelberg, and L.B. Perry	ADA450742
ERDC/CRREL TR-06-15	Jul 2006	A Generalized Approach to Soil Strength Prediction With Machine Learning Methods, by P.M. Seman	ADA464726
ERDC/CRREL TR-06-16	Sep 2006	Propagation of Uncertainties in Sea Ice Thickness Calculations From Basin-Scale Operational Observations: A Report Prepared for the International Ice Charting Working Group and the National/Naval Ice Center, by C.A. Geiger	ADA455355
ERDC/CRREL TR-06-18	Nov 2006	Conceptual Model for the Transport of Energetic Residues from Surface Soil to Groundwater by Range Activities, by J.L. Clausen, N. Korte, M. Dodson, J. Robb, and S. Rieven	ADA472270
ERDC/CRREL TR-06-19	Nov 2006	Assessing Fog Oil Deposition to Simulated Plant Surfaces During Military Training, by T.A. Douglas, J.B. Johnson, C.M. Collins, C.M. Reynolds, K.L. Foley, L.B. Perry, A.B. Gelvin, and S.E. Hardy	ADA458324

¹ Limited distribution; see Preface.

ERDC/CRREL TR-06-20	Dec 2006	Object-Oriented Approach to Manipulating Acoustic and Seismic Spectra, by D.K. Wilson and J.I. Torrey	ADA460716
ERDC/CRREL TR-06-21	Dec 2006	Double Lap Shear Testing of Coating-Modified Ice Adhesion to Space Shuttle Component Surfaces, by M.G. Ferrick, N.D. Mulherin, B.A. Coutermarsh, G.D. Durell, L.A. Curtis, T.L. St. Clair, E.S. Weiser, R.J. Cano, T.M. Smith, C.G. Stevenson, and E.C. Martinez	ADA460557
ERDC/CRREL TR-07-1	Jan 2007	Instrumenting an All-Terrain Vehicle for Off-Road Mobility Analysis, by K.D. Wesson, M.W. Parker, B.A. Coutermarsh, S.A. Shoop, and J.M. Stanley	ADA461425
ERDC/CRREL TR-07-2	Feb 2007	Explosives Residues Resulting from the Detonation of Common Military Munitions: 2002-2006, by M.R. Walsh	ADA465866
ERDC/CRREL TR-07-3	Mar 2007	Blast Absorber Feasibility Test - Short Range Measurements: Aberdeen Test Center, MD, 13-17 June 2005, by F.E. Perron Jr., S.N. Decato, D.G. Albert, and D.L. Carbee	ADA464882
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ERDC/CRREL TR-07-8	Jun 2007	Wetland Plants of Specialized Habitats in the Arid West, by R. Lichvar and L. Dixon	ADA469459
ERDC/CRREL TR-07-9	Aug 2007	Energetic Residues on Alaskan Training Ranges: Studies for US Army Garrison Alaska 2005 and 2006, by M.E. Walsh, C.M. Collins, C.A. Ramsey, T.A. Douglas, R.N. Bailey, M.R. Walsh, A.D. Hewitt, and J.L. Clausen	ADA471042

ERDC/CRREL TR-07-10	Jul 2007	Protocols for Collection of Surface Soil Samples at Military Training and Testing Ranges for the Characterization of Energetic Munitions Constituents, by A.D. Hewitt, T.F. Jenkins, M.E. Walsh, M.R. Walsh, S.R. Bigl, and C.A. Ramsey	ADA471045
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ERDC/CRREL TR-07-15	Sep 2007	Processing of Training Range Soils for the Analysis of Energetic Compounds, by A. Hewitt, S. Bigl, M. Walsh, S. Brochu, K. Bjella, and D. Lambert	ADA472096
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ERDC/CRREL TR-08-12	Aug 2008	A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States: A Delineation Manual, by R.W. Lichvar and S.M. McColley	ADA486603
¹ ERDC/CRREL TR-08-13	Aug 2008	Opportune Landing Site Program: Final Report, by C.C. Ryerson, S.A. Shoop, and G.C. Koenig	ADB349239

¹ Limited distribution; see Preface.

ERDC/CRREL TR-08-14	Sep 2008	Assessment of Superstructure Ice Protection as Applied to Offshore Oil Operations Safety: Problems, Hazards, Needs, and Potential Transfer Technologies, by C.C. Ryerson	ADA495836
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ERDC/CRREL TR-08-21	Nov 2008	Addressing Uncertainty in Signal Propagation and Sensor Performance Predictions, by D.K. Wilson, C.L. Pettit, S. Mackay, M.S. Lewis, and P.M. Seman	ADA491357
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ERDC/CRREL TR-08-23	Dec 2008	Opportune Landing Site Program: Field Data Archive, by F.R. Scott, L.A. Barna, R.T. Affleck, K.J. Claffey, E.S. Ochs, and C.C. Ryerson	ADA503494
ERDC/CRREL TR-08-24	Dec 2008	Optimal Sensor Placement with Terrain-Based Constraints and Signal Propagation Effects, by S.N. Vecherin, D.K. Wilson, and C.L. Pettit	ADA494571
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ERDC/CRREL TR-09-9	Jun 2009	Intermountain West Military Training Lands Planting Guide: Selecting Seed Mixtures for Actively Used Military Lands, by A.J. Palazzo, S.E. Hardy, T.J. Cary, K.H. Asay, K.B. Jensen, and D.G. Ogle	ADA507671
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ERDC/CRREL TR-09-12	Jul 2009	Demonstration/Validation of the Snap Sampler Passive Ground Water Sampling Device for Sampling Inorganic Analytes at the Former Pease Air Force Base, by L. Parker, N. Mulherin, G. Gooch, W. Major, R. Willey, T. Imbrigiotta, J. Gibbs, and D. Gronstal	ADA536172
ERDC/CRREL TR-09-13	Dec 2009	Propellant Residues Deposition from Firing of AT4 Rockets, by M.R. Walsh, M.E. Walsh, S. Thiboutot, G. Ampleman, and J. Bryant	ADA535953

ERDC/CRREL TR-09-14	Jul 2009	Monitoring of Streambank Stabilization and River Restoration Structures on Ice-Affected Rivers in Northern Vermont, by A.M. Tuthill	ADA508402
ERDC/CRREL TR-09-15	Dec 2009	Implementation and Commercialization of New Plant Germplasms for Use on Military Ranges, by A.J. Palazzo, S.E. Hardy, T.J. Cary, K. Jensen, B. Waldron, and S. Larson	ADA611535
¹ ERDC/CRREL TR-09-16	Dec 2009	Cold Regions Test Center (CRTC) Cross-Country Trail Characterization, by S.A. Shoop, R.T. Affleck, S.D. Fleming, S.N. Bacon, L.M. Spears, and T.G. Caldwell	ADB367793
ERDC/CRREL TR-09-17	Dec 2009	Object-Oriented Software Model for Battlefield Signal Transmission and Sensing, by D.K. Wilson, R. Bates, and K.K. Yamamoto	ADA522523
ERDC/CRREL TR-10-1	Feb 2010	Adsorption/Desorption Measurements of Nitroglycerin and Dinitrotoluene in Camp Edwards, Massachusetts Soil, by J.L. Clausen, C. Scott, N. Mulherin, S. Bigl, G. Gooch, T. Douglas, I. Osgerby, and B. Palm	ADA520200
ERDC/CRREL TR-10-2	Feb 2010	Dissolution Rate, Weathering Mechanics, and Friability of TNT, Comp B, Tritonal, and Octol, by S. Taylor, J. Lever, M. Walsh, J. Fadden, N. Perron, S. Bigl, R. Spangford, M. Curnow, and B. Packer	ADA518701
ERDC/CRREL TR-10-3	Feb 2010	Phase II Tungsten Fate-and-Transport Study for Camp Edwards, by J.L. Clausen, A. Bednar, D. Lambert, R. Bailey, M. Kuhlbrush, S. Taylor, and S. Bigl	ADA520193
ERDC/CRREL TR-10-4	Mar 2010	Characterization of Seismic Noise at Selected Non-Urban Sites, by L. Peck, P. Styles, and S. Toon	ADA535990
ERDC/CRREL TR-10-5	May 2010	Snow Roads at McMurdo Station, Antarctica, by S.A. Shoop, G. Phetteplace, and W.L. Wieder	ADA535988
ERDC/CRREL TR-10-6	Aug 2010	Cold Weather Admixture Systems Demonstration at Fort Wainwright, Alaska, by L.A. Barna, P.M. Seman, and C.J. Korhonen	ADA535963
¹ ERDC/CRREL TR-10-7	Sep 2010	FROSTY Experimental Program: The Impact of Ground Frost on Mine Detonation Trailer Use, by S.A. Shoop, B.A. Coutermarsh, R.T. Affleck, L.A. Barna, K. Drouillard, J. Kubik, C.L. Smith, C.R. Williams, S. Merritts, T. Reynolds, and M.D. Parker	ADB401627

¹ Limited distribution; see Preface.

ERDC/CRREL TR-10-8	Sep 2010	Cold Roller-Compacted Concrete for Roads and Hardstands on Army Installations in Cold Regions, by E. Cortez, L. Barna, C. Smith and T. Peltz	ADA537467
ERDC/CRREL TR-10-9	Sep 2010	The Use of Bryophytes as Indicators of Hydric Soils and Wetland Hydrology during Wetland Delineations in the United States, by J.J. Gillrich and K.C. Bowman	ADA536220
ERDC/CRREL TR-10-10	Sep 2010	Propellant Residues Deposition from Firing of 40-mm Grenades, by M.R. Walsh, M.E. Walsh, J.W. Hug, S.R. Bigl, K.L. Foley, A.B. Gelvin, and N.M. Perron	ADA535950
ERDC/CRREL TR-10-11	Nov 2010	Loose-Surface Tire-Terrain Interaction During High-Speed Maneuvers, by N.L. Buck, B.A. Coutermarsh, and S.A. Shoop	ADA533233
ERDC/CRREL TR-10-12	Dec 2010	Probability and Statistics in Sensor Performance Modeling, by K.K. Yamamoto, D.K. Wilson, and C.L. Pettit	ADA533718
ERDC/CRREL TR-10-13	Dec 2010	Characterization and Fate of Gun and Rocket Propellant Residues on Testing and Training Ranges: Interim Report 2, by M.R. Walsh, G. Ampleman, S. Thiboutot, M.E. Walsh, I. Poulin, A. Bellavance-Godin, R. Martel, G. Bordeleau, S. Brochu, A.D. Hewitt, A. Marois, A. Gagnon, C.M. Collins, D. Gilbert, P. Woods, J.N. Bryant, S.R. Bigl, and K. Gagnon	ADA579913
ERDC/CRREL TR-11-01	Jan 2011	Designing Roads and Retaining Structures for Nangarhar Province, Afghanistan, by R.T. Affleck, S. Sargand, A. Russ, F. Momand, and M.C. Perez Canals	ADA534998
ERDC/CRREL TR-11-02	Jan 2011	Documenting Lessons Learned in Afghanistan Concerning Design and Construction Challenges, by R. Affleck, P. Seman, M. Deegan, R. Freeman and S. Sargand	ADA535388
ERDC/CRREL TR-11-3	Feb 2011	Demonstration/Validation of the Snap Sampler Passive Groundwater Sampling Device at the Former McClellan Air Force Base, by L. Parker, N. Mulherin, T. Hall, C. Scott, K. Gagnon, J. Clausen, W. Major, R. Willey, J. Gibbs, T. Imbrigiotta, and D. Gronstal	
ERDC/CRREL TR-11-4	Mar 2011	Potable Water Supply Feasibility Study for Summit Station, Greenland, by R.B. Haehnel and M.A. Knuth	ADA538084
ERDC/CRREL TR-11-5	Mar 2011	Situk River Hydrology Following Closure of Russell Fiord by Hubbard Glacier, by S.F. Daly, C. Vuyovich, and D. Finnegan	ADA538302

ERDC/CRREL TR-11-6	Mar 2011	Comparison of Hydraulic Conductivity Determinations in Co-located Conventional and Direct-Push Monitoring Wells, by L. Parker, W. McCall, N. Mulherin, D. Williams, and S. Bigl	ADA538601
ERDC/CRREL TR-11-7	Mar 2011	Feasibility of Overland Traverse to Re-Supply Summit Camp: Fleet Configuration and Economic Analysis, by J.H. Lever, and J.C. Weale	ADA539292
ERDC/CRREL TR-11-8	Mar 2011	Assessing the Accuracy of Passive Microwave Estimates of Snow Water Equivalent in Data-Scarce Regions for Use in Water Resource Applications: A Case Study in the Upper Helmand Watershed, Afghanistan, by C.M. Vuyovich	ADA538994
ERDC/CRREL TR-11-9	Mar 2011	Mobility and Economic Feasibility of the Greenland Inland Traverse (GrIT), by J.H. Lever and J.C. Weale	ADA539745
ERDC/CRREL TR-11-10	Apr 2011	Engineering Assessment of Big House at Summit Station, Greenland: Final Report, by L.A. Barna, K.J. Claffey, J.S. Buska, and J.L. Mercer	ADA542773
ERDC/CRREL TR-11-11	Jun 2011	Demonstration/Validation of the Snap Sampler: Cost and Performance: Final Report, by L. Parker, N. Mulherin, G. Gooch, T. Hall, C. Scott, J. Clausen, W. Major, R. Willey, T. Imbrigiotta, J. Gibbs, and D. Gronstal	ADA548770
ERDC/CRREL TR-11-12	Jul 2011	Ordinary High Flows and the Stage-Discharge Relationship in the Arid West Region, by K.E. Curtis, R.W. Lichvar, and L.E. Dixon	ADA550816
ERDC/CRREL TR-11-13	Aug 2011	Characterization and Fate of Gun and Rocket Propellant Residues on Testing and Training Ranges: Final Report, by M.R. Walsh, S. Thiboutot, M.E. Walsh, G. Ampleman, R. Martel, I. Poulin, and S. Taylor	ADA548745
ERDC/CRREL TR-11-14	Oct 2011	Aufeis Formation in Jarvis Creek and Flood Mitigation, by S.F. Daly, J.E. Zufelt, P. Fitzgerald, A. Gelvin, and S. Newman	
ERDC/CRREL TR-11-15	Oct 2011	Guidance for Soil Sampling for Energetics and Metals, by S. Taylor, T.F. Jenkins, S. Bigl, A.D. Hewitt, M.E. Walsh and M.R. Walsh	ADA583020
ERDC/CRREL TR-11-16	Oct 2011	Greenland Inland Traverse (GrIT): 2010 Mobility Performance and Implications, by J.H. Lever	ADA551375

ERDC/CRREL TR-12-1	Apr 2012	The Chena River Watershed Hydrology Model, by C.M. Vuyovich and S.F. Daly	ADA572119
ERDC/CRREL TR-12-2	Apr 2012	Community Composition of Bacterial Biofilms Formed on Simple Soil Based Bioelectrochemical Cell Anodes and Cathodes, by D.B. Ringelberg, K.L. Foley, and C.M. Reynolds	ADA559329
ERDC/CRREL TR-12-3	May 2012	Drainage Assessment and Flow Monitoring at McMurdo Station during Austral Summer, by R. Affleck, C. Vuyovich, M.A. Knuth, and S. Daly	
ERDC/CRREL TR-12-4	Jun 2012	Testing Wetland Delineation Indicators in New England Boulder Fields, by R.W. Lichvar, K.E. Curtis, J.J. Gillrich, and L.E. Dixon	ADA571669
ERDC/CRREL TR-12-5	Jul 2012	Preliminary Permafrost and Hangar Investigation: Naval Arctic Research Lab., Barrow, Alaska, by K. Bjella	ADA571581
ERDC/CRREL TR-12-6	Aug 2012	Initial Effects of Heavy Vehicle Trafficking on Vegetated Soils, by N.L. Buck, S.A. Shoop, and T.J. Cary	ADA576143
ERDC/CRREL TR-12-7	Sep 2012	Effects of Support Structure Porosity on the Drift Accumulation Surrounding an Elevated Building, by A. Song and R. Haehnel	ADA568645
ERDC/CRREL TR-12-8	Sep 2012	Airfield Passenger Transportation System at McMurdo Station, Antarctica, by P.M. Seman	ADA568637
ERDC/CRREL TR-12-9	Sep 2012	Dissolution Rate of Propellant Energetics from Nitrocellulose Matrices, by S. Taylor, K. Dontsova, S. Bigl, C. Richardson, J. Lever, J. Pitt, J.P. Bradley, M. Walsh, and J. Šimůnek	ADA566086
ERDC/CRREL TR-12-10	Sep 2012	Suggested Planting Guidelines - Best Management Practices for Revegetation of Actively Used Training Lands in the Northeastern United States, by A.J. Palazzo, T.J. Cary, P.R. Salon, and M. van der Grinten	ADA567231
ERDC/CRREL TR-12-11	Oct 2012	The National Wetland Plant List, by R.W. Lichvar	ADA570149
ERDC/CRREL TR-12-12	Nov 2012	Demonstration of an Artificial Frozen Barrier, by A.M. Wagner and E. Yarmak, Jr.	ADA571582
ERDC/CRREL TR-12-13	Dec 2012	Rock Material Management at McMurdo Station, Antarctica, by M.A. Knuth and T. Melendy	
ERDC/CRREL TR-12-14	Dec 2012	Informal Economy, Pakistan: Component and Macro-Estimations for the Gray and Black Markets, by J.I. Oren	

ERDC/CRREL TR-13-1	Jan 2013	Laboratory Evaluation of Expedient Low-Temperature Concrete Admixtures for Repairing Blast Holes in Cold Weather, by J.I. Oren, E.R. Cortez, and C.E. Smith, Jr.	ADA571771
ERDC/CRREL TR-13-2	Jan 2013	Survey of OHWM Indicator Distribution Patterns across Arid West Landscapes, by L. Lefebvre, R. Lichvar, and K. Curtis	
ERDC/CRREL TR-13-3	Jan 2013	Channel Classification across Arid West Landscapes in Support of OHW Delineation, by L. Lefebvre, R. Lichvar, K. Curtis, and J. Gillrich	ADA572408
ERDC/CRREL TR-13-4	Jan 2013	RDX in Plant Tissue: Leading to Humification in Surface Soils, by C.M. Reynolds, D.B. Ringelberg, K.L. Foley, L.A. Newman, C.B.B. Hadden, T.W. Rahn and J.L. Ferry	ADA575212
ERDC/CRREL TR-13-5	Jan 2013	McMurdo Consolidated Airfields Study: Phase I, Basis of Design, by R.B. Haehnel, K. Bjella, M.A. Knuth, and L. Barna	ADA576164
ERDC/CRREL TR-13-6	Mar 2013	Summit Station Skiway Review, by M.A. Knuth, T.D. Melendy, and A.M. Burzynski	ADA576170
ERDC/CRREL TR-13-7	Apr 2013	Icing Management for Coast Guard Assets, by C.C. Ryerson	ADA583017
ERDC/CRREL TR-13-8	Jun 2013	Thule Air Base Airfield White Painting and Permafrost Investigation: Phases I-IV, by K. Bjella	ADA581692
ERDC/CRREL TR-13-9	Jun 2013	Ice Column Design Concept for Summit Station: Laboratory Testing Results, by A.M. Burzynski, J.C. Weale, and L. Barna	ADA583015
ERDC/CRREL TR-13-10	Jun 2013	Ririe Dam Release Test Assessment, by S.F. Daly, M. Carr, S. Hall, and J. Giovando	ADA582972
ERDC/CRREL TR-13-11	Aug 2013	Site Assessment and Feasibility of a New Operations Base on the Greenland Ice Sheet, by A.M. Burzynski, S. Wong, J.L. Mercer, E.J. Deeb, and S.D. Newman	ADA585809
¹ ERDC/CRREL TR-13-12	Sep 2013	Characterization and Selection of Natural Backgrounds for Camouflage Development, Testing, and Evaluation, by C.L. Scott, C.C. Ryerson, and A.L. Coplin	ADB393412
ERDC/CRREL TR-13-13	Nov 2013	Permafrost Ecosystem Warming Prototype: Installation, Operation, and Initial Site Characterization, by A.M. Wagner, M.C. Beede, and J.E. Zufelt	ADA593907

¹ Limited distribution; see Preface.

ERDC/CRREL TR-14-1	Feb 2014	Review of Thermosyphon Applications, by A.M. Wagner	ADA595037
ERDC/CRREL TR-14-2	Mar 2014	Examining Discrepancies Among Three Methods Used to Make Hydrophytic Vegetation Determinations for Wetland Delineation Purposes, by R.W. Lichvar and J.J. Gillrich	ADA601490
ERDC/CRREL TR-14-3	Mar 2014	Use of LiDAR to Assist in Delineating Waters of the United States, Including Wetlands, by J. Gillrich and R. Lichvar	ADA601990
ERDC/CRREL TR-14-4	Mar 2014	Demonstration of the AGI Universal Samplers (F.K.A. the GORE® Modules) for Passive Sampling of Groundwater, by L. Parker, R. Willey, T. McHale, W. Major, T. Hall, R. Bailey, K. Gagnon, and G. Gooch	ADA599028
ERDC/CRREL TR-14-5	Apr 2014	Socio-economic Effects of Drought in the Horn of Africa: Population Movements, Livelihoods, Market Prices, and Infrastructure, by J.M. Roningen and J.B. Eylander	ADA601348
ERDC/CRREL TR-14-6	May 2014	Runoff Characterization and Variations at McMurdo Station, Antarctica, by R.T. Affleck, M. Carr, M. Knuth, L. Elliot, C. Chan, and M. Diamond	ADA602401
ERDC/CRREL TR-14-7	May 2014	Economic Analysis of the South Pole Traverse, by J.H. Lever and P. Thur	ADA602402
ERDC/CRREL TR-14-8	Jun 2014	Extending the Season for Concrete Construction and Repair: Phase III—Guidance for Optimizing Admixture Dosage Rates, by L.A. Barna and C.J. Korhonen	
ERDC/CRREL TR-14-9	Jun 2014	Vehicle Impact Testing of Snow Roads at McMurdo Station, Antarctica, by S.A. Shoop, M.A. Knuth, W.L. Wieder, and M. Preston	ADA605496
ERDC/CRREL TR-14-10	Jul 2014	Extreme Cold Testing of High Performance Fabric Materials: Gelbo Flex, Tensile Strength, and UV Exposure Test Results, by J.C. Weale and J.H. Lever	ADA607492
ERDC/CRREL TR-14-11	Aug 2014	Occurrence and Distribution of Ordinary High Water Mark (OHWM) Indicators in Non-Perennial Streams in the Western Mountains, Valleys, and Coast Region of the United States, by M.K. Mersel, R.W. Lichvar, J.J. Gillrich, and L.E. Lefebvre	ADA608562

ERDC/CRREL TR-14-12	Aug 2014	A Review of Land and Stream Classifications in Support of Developing a National Ordinary High Water Mark (OHWM) Classification, by M.K. Mersel, L.E. Lefebvre, and R.W. Lichvar	ADA608563
ERDC/CRREL TR-14-13	Aug 2014	A Guide to Ordinary High Water Mark (OHWM) Delineation for Non-Perennial Streams in the Western Mountains, Valleys, and Coast Region of the United States, by M.K. Mersel and R.W. Lichvar	ADA608564
ERDC/CRREL TR-14-14	Aug 2014	Component Testing for Modular Pier Replacement at McMurdo Station, Antarctica: Inflatable Pontoons: Gelbo Flex and Full-Scale Cold Storage/Fold Tests, by J.C. Weale and M.A. Knuth	ADA608701
ERDC/CRREL TR-14-15	Aug 2014	Pollutant Concentration in Runoff at McMurdo Station, Antarctica, by R.T. Affleck, M. Carr, L. Elliot, C. Chan, and M. Knuth	ADA608702
ERDC/CRREL TR-14-16	Sep 2014	Evaluation of a New SnowPaver at McMurdo Station, Antarctica, by S.A. Shoop, R. Alger, J. Kunnari, and W.L. Wieder	ADA609348
ERDC/CRREL TR-14-17	Sep 2014	Waste Water Handling Proof of Concepts at McMurdo Station, Antarctica, by T.D. Melendy, R. Haehnel, and K. Colby	ADA609370
ERDC/CRREL TR-14-18	Sep 2014	Development of Conceptual Designs for the Prevention of Ice Formation in the Proposed Maple River Aqueduct, by S.F. Daly, M. Carr, K. Bjella, and R. Haehnel	ADA610392
ERDC/CRREL TR-14-19	Sep 2014	Using Firn Air for Facility Cooling at the WAIS Divide Site, by J. Weale, M. Albert, and G. Phetteplace	ADA609372
ERDC/CRREL TR-14-20	Sep 2014	Coordinated Optimization of Aircraft Routes and Locations of Ground Sensors, by S.N. Vecherin, D.K. Wilson, and C.L. Pettit	ADA609373
ERDC/CRREL TR-14-21	Sep 2014	Antarctic Camps Snow Drift Management Handbook, by R. Haehnel and J. Weatherly	ADA609592
ERDC/CRREL TR-14-22	Sep 2014	Design and Implementation of a Consolidated Airfield at McMurdo, Antarctica, by R. Haehnel, M.A. Knuth, T. Melendy, C. Hiemstra, and R. Davis	ADA609591
ERDC/CRREL TR-14-23	Sep 2014	Dissolution of NTO, DNAN, and Insensitive Munitions Formulations and Their Fates in Soils, by K. Dontsova, S. Taylor, R. Pesce-Rodriguez, M. Brusseau, J. Arthur, N. Mark, M. Walsh, J. Lever, and J. Šimůnek	ADA609594

ERDC/CRREL TR-14-24	Oct 2014	Low-Temperature Flex Durability of Fabrics for Polar Sleds, by J.H. Lever, J.C. Weale, and G. Durell	ADA610887
ERDC/CRREL TR-14-25	Oct 2014	Maintenance and Drainage Guidance for the Scott Base Transition, Antarctica, by S. Shoop, J. Hills, and J. Uberuaga	ADA610788
ERDC/CRREL TR-14-26	Nov 2014	Flow Control and Design Assessment for Drainage System at McMurdo Station, Antarctica, by R. Affleck, M. Carr, and B. West	ADA615402
ERDC/CRREL TR-14-27	Dec 2014	Environmental Awareness for Sensor and Emitter Employment (EASEE): Software Design Version 2, by D.K. Wilson and K.K. Yamamoto	
ERDC/CRREL TR-15-1	Jan 2015	Bearing Capacity of Floating Ice Sheets under Short-Term Loads: Over-Sea-Ice Traverse from McMurdo Station to Marble Point, by J.C. Weale and D.S. Sodhi	ADA613425
ERDC/CRREL TR-15-2	Jan 2015	Vertical Temperature Simulation of Pegasus Runway, McMurdo Station, Antarctica, by S.F. Daly, R. Haehnel, and C. Hiemstra	ADA614252
¹ ERDC/CRREL TR-15-3	Jan 2015	Energetics Residues from the Detonations of IMX-101 and IMX-104 Munitions, by M.R. Walsh, M.E. Walsh, C.A. Ramsey, S. Thiboutot, G. Ampleman, and J. Dowden	ADB406248
ERDC/CRREL TR-15-4	Mar 2015	USCS and the USDA Soil Classification System: Development of a Mapping Scheme, by R.A. García-Gaines and S. Frankenstein	ADA614144
ERDC/CRREL TR-15-5	Mar 2015	A Technique to Propagate Clitoria fragrans from Xylopodia, by T.J. Cary, T.L. Bashore, L.M. Leavitt, and A.J. Palazzo	ADA614217
ERDC/CRREL TR-15-6	Apr 2015	Soil Temperature and Moisture Effects on Soil Respiration and Microbial Community Abundance, by R.A. Barbato, K.L. Foley, and C.M. Reynolds	ADA615121
ERDC/CRREL TR-15-7	Apr 2015	Estimating COCOM Natural Background Dormancy, by A.L. Coplin and C.C. Ryerson	ADA615120
ERDC/CRREL TR-15-8	May 2015	Implementing a Probabilistic Line of Sight in EASEE (Environmental Awareness for Sensor and Emitter Employment), by M.T. Ekegren and K.K. Yamamoto	ADA618137

¹ Limited distribution; see Preface.

ERDC/CRREL TR-15-9	Jul 2015	Remediation of Old South Pole Station: Phase I: Ground-Penetrating-Radar Surveys, by L. Barna, Z. Courville, J. Rand, and A. Delaney	
ERDC/CRREL TR-15-10	Jul 2015	Remediation of Old South Pole Station Using Autonomous Data Collection and Remote Assessment of Ground-Penetrating Radar, by L. Barna, J. Lever, and A. Delaney	
ERDC/CRREL TR-15-11	Jul 2015	Development of Integrated Software Capabilities for Battlefield Signal Modeling and Force Protection: Leaders Mission Planning Tool (LMPT), by K.K. Yamamoto, J.J. Gagnon, D.G. Albert, and D.K. Wilson	
ERDC/CRREL TR-15-12	Jul 2015	Integration of Radio-Frequency Transmission and Radar in Multimodal Signal-Modeling Software: Environmental Awareness for Sensor and Emitter Employment (EASEE), by K.K. Yamamoto, N.J. Reznicek, and D.K. Wilson	
ERDC/CRREL TR-15-13	Oct 2015	Geotechnical Study and Foundation Structural Design, Next Generation Ionosonde (NEXION) Installation, Thule Air Base, Greenland, by K. Bjella	ADA622109
ERDC/CRREL TR-15-14	Oct 2015	Imaging of Ground Ice with Surface-Based Geophysics, by K. Bjella, S. Arcone, and T. Douglas	ADA621946
ERDC/CRREL TR-15-15	Oct 2015	Naval Arctic Research Laboratory (NARL) Subsurface Containment Berm Investigation, by K. Bjella	ADA623818
ERDC/CRREL TR-15-16	Nov 2015	Review of the Probable Maximum Flood (PMF) Snowmelt Analysis for Success Dam, by S.F. Daly	ADA624268
ERDC/CRREL TR-15-17	Nov 2015	Structural Condition Assessment of Reinforced Base-Course Pavement, by R.T. Affleck, C. Smith, A. Bernier, J. Arbogast, A. Smart, and A. Scholz	
ERDC/CRREL TR-15-18	Dec 2015	NHARNG Wind Resource Assessment: Center Strafford Training Center, by B.A. West, C.C. Ryerson, and K.J. Claffey	

4 Construction Engineering Research Laboratory (CERL)

Brochures

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/CERL B-11-1	Aug 2011	1947 Barracks Fire: Pine Camp (Fort Drum), NY, by S. Enscoe, A. Smith, E. Hartman, and C. Cochran
ERDC/CERL B-11-2	Dec 2011	The Architecture of the Department of Defense: A Military Style Guide, by M. Michael, A. Smith, and J. Sin

Contract reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/CERL CR-01-1	Oct 2001	Historic Limestone Conservation Study for Fort Riley, Kansas, by M.S. Jensen	
ERDC/CERL CR-03-1	Jan 2003	Technology Demonstration of Nontoxic Chemical Stripper for Steel: Cost and Performance Report, by B. Appleman and P. Nau	ADA412670
ERDC/CERL CR-03-2	Jul 2003	A Survey of Plethodon sp. (Plethodontidae) Salamander Populations in Caves and Sinkholes at Fort Hood, Texas, by S.J. Taylor and C.A. Phillips	ADA416424
¹ ERDC/CERL CR-03-3	Sep 2003	Application of Thermochemical Conversion to Treat Demolition Debris from Fort Ord, by D.M. Timmons	ADB295667
ERDC/CERL CR-05-1	Aug 2005	Sound Wave Mitigation Through the Design of Surface Impedance, by W.C. Chew and G.L. Wang	ADA437068
ERDC/CERL CR-05-2	Nov 2005	ECOTONE Manual, by T. Hochstrasser and D. Peters	ADA452048
ERDC/CERL CR-06-1	Feb 2006	Absorption of Low-Frequency Sound Energy by Vegetation: A Laboratory Investigation, by R.J. Lee	ADA445391

¹ Limited distribution; see Preface.

ERDC/CERL CR-06-2	Aug 2006	Fort Ord Groundwater Remediation Studies, 2002 - 2005, by A.R. Flegal, P. Mantey, C. Oldenburg, and P. Daley	ADA470908
ERDC/CERL CR-06-3	Nov 2006	Development of Range Design Elements and Quality Control/Quality Assurance Guidance to Reduce Maintenance Requirements on Training Ranges, by J. Hernandez, R. Smith, V. Petty, and J. Lock	ADA460751
ERDC/CERL CR-07-1	Oct 2007	Condition Assessment of the Lipari Landfill Piping System. Interim Report: Baseline Condition Assessment, by R.A. Weber	
ERDC/CERL CR-09-1	May 2009	Approaches Towards the Identification of Patterns in Violent Events, Baghdad, Iraq, by L. Anselin and G. Piras	ADA500195
ERDC/CERL CR-10-1	Aug 2010	Evaluating Alternative Methodologies for Capturing As-Built Building Information Models (BIM) For Existing Facilities, by E. Rojas, C. Dossick, and J. Schaufelberger	ADA554414
ERDC/CERL CR-10-2	Aug 2010	Developing Best Practices for Capturing As-Built Building Information Models (BIM) for Existing Facilities, by E. Rojas, C. Dossick, and J. Schaufelberger	ADA554392
ERDC/CERL CR-11-1	Sep 2011	Relevance of Emerging Ecosystem Service Science and Policy to the United States Department of Defense, by E. Keysar	ADA608637
ERDC/CERL CR-11-2	Sep 2011	Experimental Building Information Models, by M. Johnson and K.K. Fallon	ADA552634
ERDC/CERL CR-12-1	Mar 2012	Feasibility of Energy Crops Grown on Army Lands, by The Louis Berger Group, Inc. and Utah State University	ADA559200
ERDC/CERL CR-12-2	Mar 2012	Ontology for Life-Cycle Modeling of Heating, Ventilating, and Air Conditioning (HVAC) Systems: Model View Definition, by R.J. Hitchcock, N. Nisbet, C. Wilkins, M. Tanis, R. Hanninen, and T. Laine	

ERDC/CERL CR-12-3	May 2012	Life-Cycle Model of Mission-Ready and Sustainable Facilities—Planning Space Resource Utilization. COBie Representation of Resource Demands for Mission-Ready and Sustainable Facilities, by A.D. Chasey, A. Weizel and H. Bryan	
ERDC/CERL CR-12-4	Mar 2012	Ontology for Life-Cycle Modeling of Heating, Ventilating, and Air Conditioning (HVAC) Systems: Experimental Applications Using Revit, by R.J. Hitchcock, N. Nisbet, C. Wilkins, M. Tanis, R. Hanninen, and T. Laine	ADA580293
ERDC/CERL CR-12-5	Aug 2012	Common Object Library Description, by Kristine Fallon Associates, Inc.	ADA570085
ERDC/CERL CR-12-6	Sep 2012	Sustainability Product Properties in Building Information Models, by Kristine Fallon Associates, Inc.	ADA587331
ERDC/CERL CR-13-1	Mar 2013	Specifiers Properties Information Exchange (SPie): Minimum Building Information Model (BIM) Object Definitions, by Kalin Associates, Inc.	ADA587606
ERDC/CERL CR-13-2	Jun 2013	Ontology for Life-Cycle Modeling of Electrical Distribution Systems: Model View Definition, by K.K. Fallon, R.A. Feldman, G. Williams, and O. Fadojutimi	ADA584094
ERDC/CERL CR-13-3	Jun 2013	Ontology for Life-Cycle Modeling of Electrical Distribution Systems: Application of Model View Definition Attributes, by K.K. Fallon, R.A. Feldman, G. Williams, O. Fadojutimi, and T. Chipman	ADA582294
ERDC/CERL CR-13-4	Jun 2013	Ontology for Life-Cycle Modeling of Water Distribution Systems: Model View Definition, by K.K. Fallon, R.A. Feldman, G. Williams, O. Fadojutimi, and T. Chipman	ADA589612
ERDC/CERL CR-13-5	Jun 2013	Ontology for Life-Cycle Modeling of Water Distribution Systems: Application of Model View Definition Attributes, by K.K. Fallon, R.A. Feldman, G. Williams, O. Fadojutimi, and T. Chipman	ADA589613

ERDC/CERL CR-13-6	Oct 2013	Assessment of Life Cycle Information Exchanges (LCie). Understanding the Value-Added Benefit of a COBie Process, by K. Fallon, O. Fadojutimi, G. Williams, N. Crawford, and D. Gran
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Letter reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
¹ ERDC/CERL LR-01-1	Jan 2001	Survey of Fort Stewart and Hunter Army Airfield Oil/Water Separators: Findings and Recommendations, by G.L. Gerdes, J. Grubich, M.J. Hanson, S. Cosper, S. Bevelheimer, and A. Deguzman	ADB263799
ERDC/CERL LR-01-2	Jan 2001	Survey of Fort Lewis Oil/Water Separators; Findings and Recommendations, by G. Gerdes, M. Hanson, S. Cosper, J. Grubich, W. Newton, J. Galloway, and M. Boutin	
¹ ERDC/CERL LR-01-3	Mar 2001	Survey of Fort Hood Solvent Parts Cleaners; Findings and Recommendations, by M.J. Hanson and G.L. Gerdes	
¹ ERDC/CERL LR-01-4	Dec 2001	Fort Lee Oil/Water Separator Management Plan, by G. Gerdes and J. Grubich	
¹ ERDC/CERL LR-02-3	Oct 2002	Fort Lee Slug Discharge Plan, by G.L. Gerdes	
¹ ERDC/CERL LR-03-1	Jan 2003	Hardy Barracks Building at Camp Zama, Japan: Seismic Evaluation for Life-Safety Performance Level, by G.K. Al-Chaar and K.M. Schinkoeth	
¹ ERDC/CERL LR-03-2	May 2003	Initial Failure Analysis of a PVC Chilled-Water Distribution Pipe at Fort Gordon	
ERDC/CERL LR-03-5	Aug 2003	Considerations for an Optimal Alternative Energy Technology for Homes in the Mountains of Asheville, North Carolina, by T. Abdallah	
¹ ERDC/CERL LR-04-1	Feb 2004	Wall Tests Report, by O.S. Marshall	
¹ ERDC/CERL LR-04-6	Aug 2004	Analysis of Polyvinyl Chloride Water Distribution Pipe Failures at Fort Bragg, by O.S. Marshall	

¹ Limited distribution; see Preface.

¹ ERDC/CERL LR-04-7	Sep 2004	Wood Truss Inspection of Bulding 8, Corpus Christi Army Depot, by G.K. Al-Chaar, L.L. Fasules, and C.M. Cape	
¹ ERDC/CERL LR-04-9	Dec 2004	Adelphi Laboratory Center Water System Vulnerability Assessment, by V.L. Van Blaricum and V.F. Hock	
¹ ERDC/CERL LR-05-4	Aug 2005	Evaluation of Quick Release Detergents, by G.L. Gerdes and J.L. Lattimore	
¹ ERDC/CERL LR-06-2	Oct 2006	Identification and Evaluation of Underground Utility Systems at Joliet Army Ammunition Plant: Phase 2, by S.D. Cosper, G.L. Gerdes, and C.L. Baker	ADB330169
¹ ERDC/CERL LR-11-1	Oct 2011	An Overview of Cultural and Natural Resources Management at US Army Installations, by S. Enscoe, E. Hartman, R. Woodbury, S. Adams, A. Smith, and R. Lacey	
¹ ERDC/CERL LR-12-1	Sep 2012	Modeling of Archaeological Site Location and Significance at White Sands Missile Range, New Mexico, by A.M. Hamblin and M.L. Hargrave	
¹ ERDC/CERL LR-12-2	Sep 2012	Considerations in Identifying Army Lands Suitable for Forest Products and Agricultural Outleasing, by N.R. Myers, T.S. Smith, P.J. Guertin, and H. Pitstick.	
¹ ERDC/CERL LR-12-8	Dec 2012	Communication Plan for a Program Comment to Manage Cultural Resources in Impact Areas, by A.M. Hamblin and C.L. Baxter	
¹ ERDC/CERL LR-13-1	Jan 2013	Management Decision Package TATM Program Objective Memorandum (POM) FY14-18 Process Quality Assurance/Quality Control (QA/QC) Review: Model Documentation and Analysis of Strengths and Weaknesses, by N.G. Svendsen, D.J. Koch, and H.R. Howard	ADB402574
¹ ERDC/CERL LR-13-3	May 2013	Management Decision Package TATM Program Objective Memorandum (POM) FY14-18 Process: Determining Off-Road Training Distribution from Vehicle Tracking Data, by D.J. Koch, N.G. Svendsen, and H.R. Howard	

¹ Limited distribution; see Preface.

¹ ERDC/CERL LR-13-4	Jul 2013	Management Decision Package TATM Program Objective Memorandum (POM) FY14-18 Process Quality Assurance/Quality Control (QA/QC) Review by D.J. Koch and N.G. Svendsen	
¹ ERDC/CERL LR-15-1	Jul 2015	Digital Optical Method (DOM): A New Air Emissions Opacity Monitoring Tool, by B.J. Kim and M. Kemme	ADB408141

Monographs

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/CERL M-00-01	Sep 2000	Guarding the Gates: The Story of Fort Clayton - Its Setting, Its Architecture, and Its Role in the History of the Panama Canal, by S. Enscoe, S.P. Johnson, J.L. Webster, and G.L. Cohen	ADA388262
ERDC/CERL M-06-1	Apr 2006	Interview with Lewis D. Walker, Deputy Assistant Secretary of the Army for Environment, Safety and Occupational Health (retired) : Transcript of an Oral History Recorded December 2004 - January 2005, by D.M. Moorhus	
ERDC/CERL M-06-2	Aug 2006	The Built Environment of Cold War Era Servicewomen, by D.A. Morrison and S.I. Enscoe	
ERDC/CERL M-07-1	Mar 2007	Interview with Susan Morrissey Livingstone, Assistant Secretary of the Army for Installations, Logistics and Environment : Transcript of an Oral History Recorded 14 April and 14 June 2005, by D.M. Moorhus	

Miscellaneous papers

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/CERL MP-03-2	Jul 2003	Nonlinear Seismic Response of Asymmetric Structures, by J.F. Sfura	ADA421318
ERDC/CERL MP-03-3	Sep 2003	Stimulating the Anaerobic Biodegradation of Explosives by the Addition of Hydrogen or Electron Donors That Produce Hydrogen, by N.R. Adrian, C.M. Arnett, and R.F. Hickey	ADA418612

¹ Limited distribution; see Preface.

ERDC/CERL MP-03-4	Aug 2003	Historic American Buildings Survey, Ordnance/Motor Repair Shop, Fort Bragg, North Carolina, by A. Smith, M. Stupich, C. Lai, and E. Campbell	ADA418848
ERDC/CERL MP-03-5	Sep 2003	Use of Pyrolysis GC/MS for Predicting Emission Byproducts from the Incineration of Double-Base Propellant, by D.M. Cropek, P.A. Kemme, J.M. Day, and J. Cochran	ADA418613
ERDC/CERL MP-03-6	Nov 2003	Historic American Buildings Survey: African American World War II Noncommissioned Officer's Service Club Complex, by A. Smith, S.D. Smith, and M.J. Stupich	ADA419818
ERDC/CERL MP-04-1	Mar 2004	Fury: Robotic In-Situ Inspection/Condition Assessment System for Underground Storage Tanks, by C.P. Marsh, A. Siddique, B. Temple, V.M. Hock, and F. Robb	ADA429286
ERDC/CERL MP-04-2	Jul 2004	Historic American Buildings Survey Level II Documentation of Building 431, Theater and Building 439, Seaside Chapel Patrick Air Force Base, Florida, by S.I. Ensore, J.L. Webster, and M.J. Stupich	
ERDC/CERL MP-04-3	Nov 2004	Sound Propagation Through a Forest: A Predictive Model, by M. White and M. Swearingen	ADA428938
ERDC/CERL MP-08-2	Dec 2008	Level II Documentation of Launch Complex 31/32, Cape Canaveral Air Force Station, Florida, by S.I. Ensore J.L. Webster, A.M. Fike, and M.J. Stupich	ADA526603
ERDC/CERL MP-09-1	Sep 2009	Comprehensive Inventory and Determinations of Eligibility for Fort Riley Buildings: 1857-1963, by S.I. Ensore and J.L. Webster	ADA528062
ERDC/CERL MP-12-1	Jul 2012	Level II Documentation of Space Launch Complex 5 at Vandenberg Air Force Base, California, by J.L. Webster, S.I. Ensore, and M.J. Stupich	
ERDC/CERL MP-12-2	Aug 2012	Towards a Pre-Intervention Analytical Methodology, by L.A. Whalley, T.K. Perkins, D.A. Krooks, M.L. Hargrave, and C.C. Rewerts	ADA566233

Repair, Evaluation, Maintenance, and Rehabilitation Research program

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/CERL TR-REMR-OM-26	Nov 2005	Condition and Performance Rating Procedures for Nonrubble Breakwaters and Jetties, by D. Pirie, D. Plotkin, J. Kubinski, S. Foltz, and D. McKay	ADA464021

Special reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC-CERL SR-95-36 Vol. 2	Sep 2000	The Environmental Compliance Assessment Management Program (ECAMP) Air National Guard Supplement for The Environmental Assessment and Management (TEAM) Guide (CD-ROM), by D.A. Krooks	ADM001205
ERDC/CERL SR-99-106	Dec 1999	Research Plan to Evaluate the Relationship Between Maneuver Training Activities and Red-cockaded Woodpecker Populations and Habitats on Fort Stewart, GA, by T.J. Hayden	
¹ ERDC/CERL SR-00-1	Mar 2000	A Guide to Source Material on Ballistic Missile Defense, by J. Lonquest, D. Winkler, and B. Hayworth	
ERDC/CERL SR-00-2	May 2000	Quantitative and Landscape Approaches to Amphibian Conservation, by A.J. Krzysik	
ERDC/CERL SR-00-4	Sep 2003	OCONUS Compliance Assessment Protocols - OEBGD (CD-ROM), by D.A. Krooks	ADM001554
ERDC/CERL SR-00-5	Sep 2000	OCONUS Compliance Assessment Protocols - Saudia Arabia (CD-ROM), by D.A. Krooks	ADM001208
ERDC/CERL SR-00-6	Sep 2000	OCONUS Compliance Assessment Protocols - Kuwait (CD-ROM), by D.A. Krooks	ADM001202
ERDC/CERL SR-00-7	Sep 2000	OCONUS Compliance Assessment Protocols - Qatar (CD-ROM), by D.A. Krooks	ADM001201

¹ Limited distribution; see Preface.

ERDC/CERL SR-00-8	Sep 2002	OCONUS Compliance Assessment Protocols - Air Force Supplement (CD-ROM), by D.A Krooks	ADM001484
ERDC/CERL SR-00-8 REV.	Sep 2005	OCONUS Compliance Assessment Protocols - Air Force Supplement (CD-ROM), by D.A Krooks	ADM001819
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¹ ERDC/CERL SR-04-4	Mar 2004	SERDP Ecosystem Management Project (SEMP) 2003 Administrative Report, by W.D. Goran	
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ERDC/CERL SR-07-3	Mar 2007	A Direction Finding System for Transient Signals, by G.W. Swenson, Jr., L.L. Pater, and M.J. White	ADA473868

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ERDC/CERL SR-07-5	May 2007	Existing Geospatial Knowledge of Gopher Tortoise Population and Abundance, by W.D. Meyer, H.E. Balbach, and J.T. Berner	ADA473829
ERDC/CERL SR-07-6	May 2007	ERDC-CERL LD-870 Download Program Developed for Aberdeen Test Center: User's Manual, by B. Niemoeller and E.T. Nykaza	ADA468466
ERDC/CERL SR-07-7	May 2007	ERDC-CERL LD-870 Download Program: Programming Manual, by B. Niemoeller and E.T. Nykaza	ADA470114
ERDC/CERL SR-07-8	Jun 2007	FLW Rolling Pin Barracks and Associated Buildings Context and Inventory, by A. Smith, S. Stone, S. Enscoe, and M. Stupich	
ERDC/CERL SR-07-11	Jul 2007	Peopling the 'Picketwire': A History of the Pinon Canyon Maneuver Site, by R.A. McLain	ADA491467
ERDC/CERL SR-07-12	Aug 2007	Biological Assessment of the Effects of the Proposed Revision of the 1996 "Management Guidelines for the Red-cockaded Woodpecker on Army Installations", by T.J. Hayden	ADA491407
ERDC/CERL SR-07-13	Aug 2007	Environmental Assessment of the Effects of the 2007 "Management Guidelines for the Red-cockaded Woodpecker on Army Installations", by T.J. Hayden	ADA485251
ERDC/CERL SR-07-15	Oct 2007	Predicting Future Training Opportunities Using the Land-Use Evolution and Impact Assessment Model, by J.D. Westervelt, S.B. Nemeth, M.J. White, M.R. Kemme, D.A. Morrison, and C. Eastgate	ADA473833
¹ ERDC/CERL SR-07-16	Dec 2007	SWEAT Volume 1: Field Inspection Guide for Sewer, Water, Electric, and Telecommunications Systems, by S. Foltz, B. Rives, S. Lux, T. Abdallah, S. Hunter, and W. Taylor	ADB336975
¹ ERDC/CERL SR-07-17	Dec 2007	SWEAT Volume 2: Field Inspection Guide for Buildings, by S.D. Foltz, B.L. Rives, M.N. Grussing, S.M. Lux, and T. Abdallah	ADB359210

¹ Limited distribution; see Preface.

¹ ERDC/CERL SR-07-18	Dec 2007	SWEAT Volume 3: Field Inspection Guide for Transportation Infrastructure, District Utility Networks, and Municipal Solid Waste Systems, by S.D. Foltz, J.A. Burkhalter, W.T. Brown, M.N. Grussing, and S.D. Cosper	ADB359209
ERDC/CERL SR-07-21	Sep 2007	Fort Leonard Wood Cantonment Landscape Context, Inventory, and Management, by M.W. Tooker, S. Stone, and A. Smith	ADA478904
¹ ERDC/CERL SR-07-22	Sep 2007	Effects of Military Training Noise on Indiana Bat Maternity Colonies: Preliminary Data, by D.K. Delaney	ADB338643
¹ ERDC/CERL SR-07-23	Sep 2007	Use of Automated Radio Telemetry to Monitor Gopher Tortoise Response to Military Training on Camp Shelby: Preliminary Data, by D.K. Delaney, T. Radzio, J. Hackler, and M. Hinderliter	
ERDC/CERL SR-07-24	Oct 2007	An Investigation of Community Attitudes Toward Blast Noise: Methodology, by L.L. Pater, E.T. Nykaza, G. Luz, A. Atchley, K. Hodgdon, R. Baumgartner, and P. Rathbun	ADA474855
ERDC/CERL SR-07-25	Nov 2007	Fort Knox Historic Quarters Assessment, by S. Stone and A. Smith	
ERDC/CERL SR-07-26	Nov 2007	Fort Knox Historic Landscape Context, Inventory, and Management, by M.W. Tooker and A. Smith	
ERDC/CERL SR-08-1	Jan 2008	Condition Assessment Aspects of an Asset Management Program, by S.D. Foltz and D.T. McKay	ADA476675
ERDC/CERL SR-08-2	Feb 2008	Fort Drum Miscellaneous Building Survey, by A. Smith and S. Stone	ADA476957
¹ ERDC/CERL SR-08-3	Aug 2008	Sustainable, Full Spectrum Contingency Operations Gap Assessment, by D. Curtin, S. Bevelheimer, G. Gerdes, T. Hartranft, R. Ducey, S. Foltz, A. Stumpf, and S. Hunter	
ERDC/CERL SR-08-4	Mar 2008	Provision of Ecosystem Services Through Market-Based Approaches: Department of Defense Applications, by E. Keysar and W.D. Goran	ADA479052

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ERDC/CERL SR-08-6	May 2008	Fort Bliss Standards for the Treatment of Historic Buildings: An Illustrated Maintenance and Repair Manual, by S. Stone, A. Smith, and R. Murphy	ADA494700
ERDC/CERL SR-08-7	May 2008	Center for the Advancement of Sustainability Innovations (CASI): A Summary of the Center's First Year's Activities, by W.D. Goran	ADA485336
ERDC/CERL SR-08-8	May 2008	Physiological Response and Habituation of Endangered Species to Military Training Activities: SERDP 2006 Annual Report, by T.J. Hayden, I. Bisson, M. Wikelski, L. Butler, and L.M. Romero	ADA482620
ERDC/CERL SR-08-9	Jun 2008	Forest Health in the Southeastern United States: Assessment of the State of the Science, by C.S. Duke, C. Mauldin, and H. Balbach	ADA485256
ERDC/CERL SR-08-11	Sep 2009 Rev.	OCONUS Compliance Assessment Protocols - Air Force Supplement, by D.A. Krooks	ADA506545
¹ ERDC/CERL SR-08-13	Aug 2008	Sustainable, Full Spectrum Contingency Operations Gap Assessment, by D. Curtin, S. Bevelheimer, G. Gerdes, T. Hartranft, R. Ducey, S. Foltz, A. Stumpf, and S. Hunter	ADB342305
ERDC/CERL SR-08-14	Aug 2008	Pythian Powerhouse and Laundry: Historic Building Survey, by S. Stone, A. Smith, and S. Lask	ADA494547
¹ ERDC/CERL SR-08-17	Jun 2008	89th Regional Readiness Command Integrated Cultural Resources Management Plan: FY 2008 to 2012, by M. Chawla, A. Smith, and K. Ellison	
ERDC/CERL SR-08-18	Sep 2008	DoD Historic Building Conference: After-action Report, by S. Bellew and A. Smith	ADA491466
ERDC/CERL SR-08-19	Oct 2008	Fort Gordon Woodworth Library: Historic Building Survey, by S. Stone, M. Stupich, and A. Smith	ADA494701
ERDC/CERL SR-08-20	Jul 2008	Fort Knox Standards for the Treatment of Historic Buildings: An Illustrated Maintenance and Repair Manual, by S. Stone, A. Smith, and R. Murphy	

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ERDC/CERL SR-09-1	Feb 2009	Estimating the Acoustic Properties of Two Kinds of Gravel at Frequencies between 25 and 200 Hz Using an Impedance Tube, by G.W. Swenson, Jr., T.E. Onder, M.J. White, and M.L. Oelze	
ERDC/CERL SR-09-2	Jan 2009	Overhills: Hunt Stable Area: Historic Building Survey, by A. Smith, J. Feucht, M. Stupich, S. Stone, C. Lai, and E. Campbell	
ERDC/CERL SR-09-3	Jan 2009	Overhills: Lindley Nursery Area: Historic Building Survey, by A. Smith, J. Feucht, M. Stupich, and C. Lai	
ERDC/CERL SR-09-4	Jan 2009	Overhills: Lake Area: Historic Building Survey, by A. Smith, J. Feucht, M. Stupich, and C. Lai	
ERDC/CERL SR-09-5	Jan 2009	Overhills: Shops Complex: Historic Building Survey, by A. Smith, J. Feucht, M. Stupich, and C. Lai	
ERDC/CERL SR-09-6	Jan 2009	Overhills: The Hills Area: Historic Building Survey, by A. Smith, J. Feucht, M. Stupich, S. Stone, C. Lai, and E. Campbell	
ERDC/CERL SR-09-7	Jan 2009	Overhills: Entrance Compound: Historic Building Survey, by A. Smith, J. Feucht, M. Stupich, S. Stone, C. Lai, and E. Campbell	ADA508545
ERDC/CERL SR-09-8	Jun 2009	Actionable Cultural Understanding for Support to Tactical Operations (ACUSTO): Annotated Bibliography for The Effect of Data Quality on Spatial Analysis Results, by L. Galvis and W.D. Meyer	
ERDC/CERL SR-09-9	Jun 2009	Proceedings of the ERDC-CERL Net Zero Energy (NZE) Installation and Deployed Bases Workshop: Colorado Springs, CO, 3-4 Feb 2009, by C.A. Feickert, T.J. Hartranft, F.H. Holcomb, J.L. Vavrin, A.M. Zhivov, and H. Kim	ADA505447
ERDC/CERL SR-09-11	Aug 2009	Camp Upshur, Marine Corps Base Quantico, VA Architectural Survey, by S. Stone, A. Smith, C. Pogorelac, and M.W. Tooker	ADA522285
ERDC/CERL SR-09-12	Sep 2009	Naval District Washington - Anacostia Annex Building Survey, by A. Smith and S. Stone	ADA523304

¹ ERDC/CERL SR-09-13	Sep 2009	Adaptive Reuse at Fort Bragg: Water Treatment Plant and Ordnance Building, by S. Lask, A. Smith, and S. Stone	
ERDC/CERL SR-10-2	Apr 2010	Tradeoffs for Renewable Energy Projects: Environmental, Planning, and Mission Considerations, by T.S. Smith, R.A. Ducey, W.J. Stein, and W.D. Goran	ADA557322
¹ ERDC/CERL SR-10-4	May 2010	Capabilities Integration for Stakeholder Asset-based Planning Environment - Coalition Warfare (SHAPE CW), by G. Al-Chaar and G.L. Cohen	ADB362481
ERDC/CERL SR-10-5	Jun 2010	Fort Monroe Historic Landscape Inventory, Evaluation, and Recommendations, by M.W. Tooker, A. Smith, C. Cochran, and C. Pogorelac	
ERDC/CERL SR-10-6	Jun 2015	OCONUS Compliance Assessment Protocols – OEBGD (Air Force and Marine Corps Version)	ADA526808
ERDC/CERL SR-10-7	Aug 2010	Demonstration of Deployable-Renewable Energy Power Systems (D-REPS) at the National Training Center, Fort Irwin, CA, by R.A. Ducey, T. Abdallah, and B. O'Dell	
ERDC/CERL SR-10-8	Aug 2010	Fort Monroe Historic Image Report, by A. Smith, M.W. Tooker, M. Roller and R. Nicholson	ADA584064
ERDC/CERL SR-10-9	Aug 2010	Fort Monroe Historic Viewsheds, by M.W. Tooker, A. Smith, C. Cochran, and C. Pogorelac	ADA572120
ERDC/CERL SR-11-1	Jan 2011	Fort Bragg Old Post Historic District Landscape Report, by M.W. Tooker, E. Hartman, and A. Smith	ADA557326
ERDC/CERL SR-11-2	Mar 2011	The Value of "Green" to the Army, by T.R. Napier, A.L. Stumpf, R.L. Schneider, S.L. Hunter, E.M. Jenicek, and D. Chu	ADA540767
ERDC/CERL SR-11-3	Apr 2011	Fort Leonard Wood Culvert and Flagpole: Historic American Engineering Record, by C.J. Cochran and A. Smith	ADA544482
ERDC/CERL SR-11-4	Jun 2011	Army LEED-Certified Projects, August 2008 - January 2011, by R.L. Schneider and J.A. Kane (Editors)	ADA552269

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ERDC/CERL SR-11-7	Jun 2011	Water Reuse and Wastewater Recycling at U.S. Army Installations: Policy Implications, by R.J. Scholze	ADA546435
ERDC/CERL SR-11-8	Aug 2011	Operational Energy Base Camp Studies: Annotated Bibliography, by W.T. Brown, III, L. Curvey, E. Zeigler, S. Foltz, D. Chu, J. Vavrin, G. Anderson, K. Kinnevan, G. Al-Chaar, S.L. Hunter, and F.H. Holcomb	ADA557355
ERDC/CERL SR-12-4	May 2012	Installation Strategic Planning Guidebook, by K.S. Vann, D.R. Della-Rovere, P.M. Loechl, and H.E. Balbach	ADA566173
ERDC/CERL SR-12-6	Jun 2012	Energy Savings and Sustainability Opportunities at US Army Corps of Engineers Facilities: A Guide to Identify, Prioritize, and Estimate Projects at Complexes That Have Not Conducted a Facility-Level Energy and Water Evaluation, by D.M. Underwood and L. Curvey	ADA570208
ERDC/CERL SR-12-7	May 2012	Initial Integrated Strategic Sustainability Plan for Fort Leonard Wood, by K.J. Palmer, S.B. Nemeth, A.L. Stumpf, and S.J. Bevelheimer	ADA572606
ERDC/CERL SR-12-8	Jul 2012	Emerging Challenges and Opportunities in Building Information Modeling for the US Army Installation Management Command, by B.A. Brucker, E.W. East, L.R. Marrano, M.P. Case, W.D. Goran, A. Carroll, and G. DeJesus	ADA570386
ERDC/CERL SR-12-10	Sep 2012	Prediction and Adaptation of Military Natural Infrastructure in Response to Climate Change: Forest Modeling: Fiscal Year 2011 Progress Update, by P.J. Guertin, S.A. Tweddle, and G.Z. Gertner	ADA586630
ERDC/CERL SR-12-12	Sep 2012	2012 DoD Historic Building Workshop: After-Action Report for Legacy Project # 10-387, by M. Michael and A.D. Smith	ADA570077
ERDC/CERL SR-12-13	Sep 2012	Energy and Water Conservation Assessments: A Field Guide, by D.M. Underwood	
ERDC/CERL SR-12-15	Dec 2012	Energy Balance Calculations for an Anaerobic Membrane Bioreactor, by C.A. Feickert, K. Guy, and M. Page	
ERDC/CERL SR-13-19	Sep 2013	Analysis of Building 839: Carlisle Barracks, Pennsylvania, by A.D. Smith, S.I. Enscoe, and M.W. Tooker	ADA602276

ERDC/CERL SR-14-2	Sep 2014	Elevated Building Lift Systems on Permanent Snowfields: A Report on the Elevated Building Lift Systems in Polar Environments Workshop, by J. Weale, L. Barna, W. Tobiasson, and J. Mercer	
ERDC/CERL SR-14-3	Apr 2014	Fort Leonard Wood - Building 2101: Interior Character-Defining Features, Inventory and Assessment, by A.D. Smith	ADA601349
ERDC/CERL SR-14-6	Aug 2014	Matthew Jones House: Historic Maintenance and Repair Manual, by A.D. Smith and S.E. Adams	ADA611653
ERDC/CERL SR-14-7	Aug 2014	OPAL Land Condition Model, by D. Koch, S. Tweddale, J. Westervelt, N. Myers, and H. Howard	ADA607639
ERDC/CERL SR-14-8	Sep 2014	Forest Microclimate Characteristics Review: An Annotated Bibliography, by R. Keane, H. Pitstick, P.J. Guertin, and D.L. Gebhart	ADA610112
¹ ERDC/CERL SR-14-9	Sep 2015	Air Maneuver Network (AMN) Software: AMN User Guide	ADB403700
ERDC/CERL SR-14-11	Dec 2014	Fiscal Year 2013 Net Zero Energy-Water-Waste Portfolio for Fort Leonard Wood, by A.L. Stumpf, M.P. Case, M.M. Swanson, B.P. Barnes, S.J. Bevelheimer, M. Choi, S.D. Cosper, L. Curvey, J. Flores, N. Garfinkle, D.L. Gebhart, E.M. Jenicek, R.J. Liesen, T.R. Napier, and G. Rodriguez	ADA614646

Technical notes

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/CERL TN -00-1	Feb 2000	Geospatial Data Computer-Based Training, by K. Dilks, J. Miller, A. Patel and J. Cookas
ERDC/CERL TN-00-2	Mar 2000	AMC Spatial Data Quality Control Project GPS and Data Management Tutorial, by A.K. Patel, J. Miller, J. Cookas, K. Dilks, and T. Vorac
ERDC/CERL TN-00-3	May 2000	Development of the Training Use Distribution Model (TUDM) Software, by W.D. Meyer and P.J. Guertin
ERDC/CERL TN-00-4	Nov 2000	Multi-tiered Vegetation Mapping - Matching Multiple User Requirements to Map Requirements, by P.M. Loechl and L.J. O'Neil

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ERDC/CERL TN-01-1	Feb 2001	Geospatial Data Repository - Sharing Data Across the Organization and Beyond, by M.O. Ruiz
ERDC/CERL TN-01-2	Nov 2001	mLEAM - the Military Land Use Evolution and Impact Assessment Model, by B. Deal
ERDC/CERL TN-01-2 REV.	Aug 2006	Land Use Evolution & Impact Assessment Model: Forecasting Future Urban Development and Resulting Impacts on the Military and the Community, by N.R.D. Myers, J.D. Westervelt, J. Terstriep, and W.D. Goran
ERDC/CERL TN-02-1	Oct 2002	Building a Computable Facility Model, by B. Brucker
ERDC/CERL TN-02-2	Oct 2002	Integrated Installation Planning: Technology for Sustainable Installations, by K. Dilks
ERDC/CERL TN-02-2 REV.	Sep 2003	Integrated Installation Planning: Technology for Sustainable Installations, by K. Dilks, T. Bosada, and M. Case
ERDC/CERL TN-02-3	Oct 2002	Dynamic Modeling and Simulation Tools for Utility Systems, by V. Hock, V. VanBlaricum, and W. Taylor
ERDC/CERL TN-02-4	Oct 2002	Modeling and Simulation for Force Protection, by D.M. Bailey
ERDC/CERL TN-03-1	Apr 2003	Sustaining Military Training Capabilities: Fort Future: Solutions for Installation Transformation, by J.D. Westervelt and W. Goran
ERDC/CERL TN-03-4	Jul 2003	Analysis of Regional Risks to Military Installations (ARR-MI), by R. Lozar
ERDC/CERL TN-04-1	Jan 2004	SEMP Historical Meteorology Evaluation for the Area Near Fort Benning, GA: 1999-2001, by R.C. Lozar
ERDC/CERL TN-04-2	May 2004	Capability Gap Analysis: Environmental Quality / Installations, by D.L. Johnson. T.A. Bozada, R.M. Lacey, T. Hartranft, K. Topudurti, M.J. Hansen, G.W. Schanche, M. Marlatt, W.D. Severinghaus, D.K. Hicks, M.P. Case, D.E. Ellsworth, and W.D. Goran
ERDC/CERL TN-04-3	Jun 2004	PONDS: Proactive Options with Neighbors for Defense-installation Sustainability, by S. Loechl and A. Stumpf
ERDC/CERL TN-04-3 REV.	Apr 2005	Proactive Options with Neighbors for Defense-installation Sustainability: PONDS™: A Web Capability to Support Installations & Communities Working Together, by S. Loechl and A. Stumpf
ERDC/CERL TN-04-4	Sep 2004	The Field of a Sound Source Reflected from a Hard Ground, by G.W. Swenson, Jr. and M.J. White
ERDC/CERL TN-05-1	Sep 2005	Energy Trends and Implications for U.S. Army Installations, by E.T. Westervelt and D.F. Fournier
ERDC/CERL TN-05-2	Oct 2005	Ambient Light Encroachment at Military Installations, by R.C. Lozar and R. Schneider

ERDC/CERL TN-06-1	Jan 2006	Knowledge-Based Inspection Capabilities, by L.R. Marrano and M.N. Grussing
ERDC/CERL TN-06-2	Jan 2006	Building-Level Functionality Assessment, by L.R. Marrano and M.N. Grussing
ERDC/CERL TN-06-3	Apr 2006	Waterless Urinals: A Technical Evaluation, by A.L. Stumpf
ERDC/CERL TN-07-1	Dec 2007	Strategic Sustainability Assessment, by E. Jenicek, D. Fournier, N. Myers, and B. Deal
ERDC/CERL TN-08-1	May 2008	Evaluating the Potential for Vehicle Transport of Propagules of Invasive Species, by H. Balbach, L. Rew, and J. Fleming
ERDC/CERL TN-08-2	May 2008	Center for the Advancement of Sustainability Innovations, by W.D. Gordan, M. Hanson, and A. Stumpf
ERDC/CERL TN-09-1	Jan 2009	Actionable Cultural Understanding for Support to Tactical Operations Project in the Geographic Evidence Reasoning Work Package, by W.D. Meyer and L.A. Whalley
ERDC/CERL TN-11-1	Jan 2011	Center for the Advancement of Sustainability Innovations: Work Plan Calendar Year 2011, by W.D. Gordan, M. Hanson, and A. Stumpf
ERDC/CERL TN-11-2	Jul 2011	Net Zero Water for Army Installations: Consideration for Policy and Technology, by E.M. Jenicek, L.E. Curvey, A.L. Stumpf, and K. Fishman
ERDC/CERL TN-12-2	Jul 2012	Contingency Bases and the Problem of Sociocultural Context, by D.A. Krooks, L.A. Whalley, and H.G. Anderson
ERDC/CERL TN-13-1	Feb 2013	Center for the Advancement of Sustainability Innovations (CASI), by W.D. Gordan, M. Hanson, and A. Stumpf
ERDC/CERL TN-13-2	Sep 2013	Onsite Army Biofuel Production: Opportunities, Thresholds, and Considerations, by N.R. Myers, H.R. Howard, D.L. Gebhart, N.M. Josefik, and M. Sharif
ERDC/CERL TN-14-1	Mar 2014	Center for the Advancement of Sustainability Innovations (CASI) Work Plan: Calendar Year 2014, by W.D. Gordan, M. Hanson, A. Stumpf, and E. Zeigler

Technical reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/CERL TR-99-89	Nov 1999	Electrochemical Reduction of Dinitrotoluene, by S. Pehkonen, J.L. Jolas, D. Meenakshisundaram, and S.W. Maloney	ADA372795

ERDC/CERL TR-99-90	Nov 1999	Removal and Recovery of Methyl Ethyl Ketone (MEK) Vapor Emissions by Carbon Fiber Absorber-Cryogenic Condenser, by M.J. Rood, P.D. Sullivan, M. Lordgooei, S. Qi, and K.J. Hay	ADA372690
ERDC/CERL TR-99-91	Nov 1999	High Temperature Hot Water Generator Safety Valve Research at Wright-Patterson AFB, OH, by M.K. Brewer, C.M. Schmidt, and J. Tanner	ADA371091
ERDC/CERL TR-99-92	Nov 1999	Process Energy and Pollution Reduction (PEPR) Level I Review at the Watervliet Arsenal, New York, by M.C.J. Lin, W.P. Smith, P. Darcy, S. Dunstan, D. Byrne-Kelly, and K. Henderson	ADA372654
ERDC/CERL TR-99-93	Nov 1999	Verification of RDX Photolysis Mechanism, by G.R. Peyton, M.H. LeFaivre, and S.W. Maloney	ADA371755
ERDC/CERL TR-99-94	Nov 1999	Data Warehouse Architecture for Army Installations, by P.V. Reddy and C.G. Schroeder	ADA371882
ERDC/CERL TR-99-95	Dec 1999	Performance Analysis of Natural Gas Cooling Technology at Air Force Bases; Youngstown-Warren ARS and Warner-Robins AFB, Fiscal Year 1999, by W.T. Brown III	ADA371555
ERDC/CERL TR 99-99	Dec 1999	CERL Noise Monitoring and Warning System 98, by D. Sachs, J.W. Benson, and P.D. Schomer	ADA373526
ERDC/CERL TR-99-104	Dec 1999	Greaseless Bushings for Hydropower Applications: Program, Testing, and Results, by J.A. Jones, R.A. Palylyk, P. Willis, and R.A. Weber	ADA371845
ERDC/CERL TR-99-102	Dec 1999	TNT and RDX Degradation by Cell-Free Extracts of <i>Clostridium acetobutylicum</i> , by N. Adrian and E. Campbell	ADA371924
ERDC/CERL TR-99-107	Dec 1999	Training Effects Assessment and Reporting for Installations Implementing the 1996 Management Guidelines for the Red-cockaded Woodpecker (RCW) on Army Installations, by T.J. Hayden	ADA374116
ERDC/CERL TR-99-108	Dec 1999	Effects of Microbiotic Soil Crust Organisms and Mycorrhizal Fungi on Seedling Growth of Blackbrush (<i>Coleogyne ramosissima</i>), by R.L. Pendleton, B.K. Pendleton, and G.L. Howard	ADA374242

ERDC/CERL TR-00-1	Jan 2000	Bus Current Feedback for Motor Control, by H.T. Maase, J.A. Locker, and P.T. Krein	ADA377502
ERDC/CERL TR-00-2	Jun 2000	Improved Technologies for the Process Energy and Pollution Reduction (PEPR) Analysis Tool, by M.C. Lin, W.R. King, and R.T. Loran	ADA380077
ERDC/CERL TR-00-3	Jan 2000	Assessment for Desiccant Cooling Air-Conditioning at Antilles High School, Fort Buchanan, Puerto Rico: Moisture Load Analysis of the Gymnasium Building, by J. Barreto-Acobe and M.J. Savoie	ADA384111
ERDC/CERL TR-00-4	Jun 2000	Heating, Ventilating, and Air-Conditioning Controls and Related Systems at Antilles High School, Fort Buchanan, Puerto Rico: Condition Assessment Report, by M.J. Savoie, L. Lister, D.M. Schwenk, and J. Barreto	ADA384104
ERDC/CERL TR-00-5	Feb 2000	Stochastic Models of Plant Diversity: Application to White Sands Missile Range, by X. Cao, G.Z. Gertner, B.A. MacAllister, and A.B. Anderson	ADA374140
ERDC/CERL TR-00-6	Feb 2000	Sol-Gel Stabilization of Heavy Metal Waste, by D. Cropek, P. Kemme, J. Day, and J. Barrios	ADA375073
¹ ERDC/CERL TR-00-7	Jun 2000	An Improved Method for Spatial Extrapolation of Vegetative Cover Estimated (USLE/RUSLE C FACTOR) Using LCTA and Remotely Sensed Imagery, by S.A. Tweddale, C.R. Echlschlaeger, and W.F. Seybold	ADB258311
¹ ERDC/CERL TR-00-8	Jun 2000	Validation of Enhancements to the Universal Soil Loss Equation Topographic Factor Using ¹³⁷ Cesium, by S.D Warren, H. Mitasova, D.L. Gebhart, M.G. Hohmann, S. Landsberger, and F.Y. Iskander	
ERDC/CERL TR-00-9	Apr 2000	Treatment of Volatile Organic Compounds From Gas Streams Using a Three-Phase Circulating-Bed Biofilm Reactor, by B.J. Kim, H. Yu, and B.E. Rittman	ADA377606
¹ ERDC/CERL TR-00-10	Jun 2000	Evaluation of the Maneuver Impact Distribution Map and Its Use in ATTACC, by P.J. Guertin	ADB326559

¹ Limited distribution; see Preface.

¹ ERDC/CERL TR-00-11	Apr 2000	Design and Construction Review of a Fire-Flow System at Doha, Qatar, by C.P. Marsh, O.S. Marshall, I.R. Adiguzel, D.A. Kessler	ADB257799
ERDC/CERL TR-00-12	Apr 2000	Errors in Environmental Assessments: An Error-Budget Model for Plant Populations, by X. Cao, G. Gertner, B. MacAllister, and A. Anderson	ADA377507
ERDC/CERL TR-00-13	May 2000	Assessment of Training Noise Impacts on the Red-Cockaded Woodpecker: 1999 Results, by D.K. Delaney, L.L. Pater, T.J. Hayden, L. Swindell, T. Beaty, L. Carlile, and E. Spadgenske	ADA379281
ERDC/CERL TR-00-14	May 2000	Sonolysis of Nitrocellulose Fines, by D. Cropek and B. Dankowski	ADA377921
ERDC/CERL TR-00-15	Dec 2000	Site Evaluation for Application of Fuel Cell Technology, by M.J. Binder, F.H. Holcomb, and W.R. Taylor	ADA386257
ERDC/CERL TR-00-16	Aug 2000	Installation-Wide GIS Implementation Issues, by D.L. Szafoni, J.J. Casanova, D.M. Johnston, and K.M. Dilks	ADA381648
ERDC/CERL TR-00-17	Aug 2000	Removing the Veil: Interest of Military Land Managers in Using Declassified and Classified Imagery, by R.C. Lozar, W. Smith, W. Croisant, G. Rasmussen, and T. Hale	ADA382738
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ERDC/CERL TR-02-26 App. A	Sep 2002	Condition Assessment of William Beaumont General Hospital Historic Buildings at Fort Bliss, Texas. Appendix A: Building Condition Matrix, by T.R. Napier and S.A. McCarthy	ADA414939
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¹ ERDC/CERL TR-03-22 REV.	Apr 2007	Design Properties for Equipment Supporting Frames for Ground-Based Midcourse Defense Facilities, by J. Wilcoski, B.M. Decker, J.B. Gambill, and T.J. Graf	ADB327529
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¹ ERDC/CERL TR-05-16	Aug 2005	Analysis of Chemical and Biological Filter Technologies, by T. Gonsoulin, H.E. Burroughs, and C.W. Sohn	ADB313336
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¹ ERDC/CERL TR-05-34	Nov 2005	Base Camp Utility Technology Matrix, by A.L. Jantzer and G.L. Gerdes	
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ERDC/CERL TR-09-17	Jun 2009	Energy Assessment at Army Installations: Chievres Airbase Belgium, Schinnen Emma Mine Netherlands, and Brussels American School, by D.M. Underwood, A.M. Zhivov, D. Neth, and A. Woody	ADA522204
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ERDC/CERL TR-09-25	Aug 2009	Sustainable Materials Replacement for Prevention of Corrosion at Fort Lewis, WA: Final Report on Project FAR-21 for FY06, by R.G. Lampo, T.R. Napier, and R.L. Schneider	ADA516863
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ERDC/CERL TR-09-27	Aug 2009	Corrosion Prevention of Rebar in Concrete in Critical Facilities Located in Coastal Environments at Okinawa: Final Report on Project FAR-16 for FY06, by L.D. Stephenson, A. Kumar, R. Walde, and M. Merzlikin	ADA515491
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¹ ERDC/CERL TR-09-35	Sep 2009	FY2008 Lessons Learned from Army Utilities Modernization Site Visits, by W.T. Brown III, T. Abdallah, R. Ducey, S. Foltz, S. Hunter, M. Kemme, C. Marsh, N. Potts, R. Scholze, C. Sohn, J. Vavrin, D. Bonk, D. Brown, A. Price, C. Bermel, D. Burt, R. Jepson, C. Johnson, D. Mathias, D. Rollins, and L. Vance	ADB370671
¹ ERDC/CERL TR-09-36	Sep 2009	Tooele Army Depot Utilities Modernization Program, by S. Hunter, W.T. Brown III, D. Rollins, L. Vance, and C. Johnson	ADB370624
¹ ERDC/CERL TR-09-37	Sep 2009	Comprehensive Historical and Architectural Documentation Report for Fort Riley, Kansas, by S.I. Enscoe and J.L. Webster	

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¹ ERDC/CERL TR-11-4	Mar 2011	Energy Assessment at Fort Lee, VA, by D.M. Underwood, A.M. Zhivov, C. Bjork, D. Neth, J. Rees, E. Reinkinen, S. Walerczyk, and A. Woody	ADB377347
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ERDC/CERL TR-11-12	Apr 2011	Feasibility of Renewable Energy Technology at the Afghanistan National Security University: A Site-Specific Study Focused on Potential Renewable Energy Technologies in Northwest Kabul, Afghanistan, by W.T. Brown, J. Vavrin, T. Abdallah, J. Delhotal, R. Ducey, F.H. Holcomb, N.A. Reisweber, P.J. Sioson, C.W. Sohn, W.J. Stein, S.W. Broadfoot, B. Kamisato, J. Christensen, C. Allen, J. Etzel, J. Hurt, D. Patla, J. Van Winkle, R. Seam, S. Kikkeri, T. Ferguson, and M. Valerio	ADA544301
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ERDC/CERL TR-11-14 Sup.	Jun 2011	In Situ Corrosion and Heat Loss Assessment of Two Nonstandard Underground Heat Distribution System Piping Designs: Supplement-Appendices for Final Report on Project F07-AR01, by A.D. Beitelman, C.P. Marsh, D. Neale, V. Meyer, J. Taylor, D. Butler, F. Mandan, L. Clark, and T.A. Carlson	ADA569541
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¹ ERDC/CERL TR-11-19	Jun 2011	Electrical Construction Practices in Four Middle Eastern Cities: Baghdad, Tehran, Kabul and Islamabad, by T. Abdallah, R. Ducey, M. Johnson, and J. Delhotal	ADB377393
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¹ ERDC/CERL TR-11-24	Aug 2011	Energy Assessment of Historical Buildings at Fort Bliss, TX, by D.M. Underwood, A.M. Zhivov, R.J. Liesen, W.J. Stein, A. Woody, S. Adams, C. Grosshart, H. Fitzpatrick, G. Zielke, and M. DiPaolo	ADB378492
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ERDC/CERL TR-11-43	Nov 2011	Remote Performance Monitoring of a Thermoplastic Composite Bridge at Camp Mackall, NC: Final Report on Project F08-AR13, Task A—Thermoplastic Composite Bridges, by R.G. Lampo, B.K. Myers, K. Palutke, and D.M. Butler	ADA576173
¹ ERDC/CERL TR-11-44	Dec 2011	Renewable Energy Systems Demonstration at the "22 Bunkers Complex", Kabul, Afghanistan, by J. Vavrin, E. Chien, A. Lin, B. Everett, R. Ludin, M. Stalcup, H.U. Qaderdan, and S.M. Fazel	ADB380637
ERDC/CERL TR-11-45	Dec 2011	Evaluation of Moisture-Cure Urethane Coatings for Compliance with Industry Specifications, by A.D. Beitelman and J.P. Ryan	ADA554426
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ERDC/CERL TR-12-1	Jan 2012	Electro Decomposition of Ammonia into Hydrogen for Fuel Cell Use, by G.G. Botte and C.A. Feickert	ADA559187
¹ ERDC/CERL TR-12-2	Feb 2012	Operational Energy Base Camp Studies: Literature Review of Findings and Recommendations, by W.T. Brown, J.L. Vavrin, L.E. Curvey, S.D. Foltz, D. Chu, G. Anderson, S.L. Hunter, and E.P. Zeigler	
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ERDC/CERL TR-12-4	Feb 2012	Lab-on-a-Chip Sensor for Monitoring Perchlorate in Ground and Surface Water, by J.C. Gertsch, I.G. Arcibal, C.S. Henry, and D.M. Cropek	ADA559180
ERDC/CERL TR-12-5	Mar 2012	Identifying Military Impacts on Archaeological Deposits Based on Differences in Soil Organic Carbon and Chemical Elements at Soil Horizon Interfaces: Final Report on SERDP Project RC 1698, by D.L. Gebhart, H.A. Torbert, M.L. Hargrave, R.R. Busby, and A.J. Palazzo	ADA559158
ERDC/CERL TR-12-6	Apr 2012	Prioritizing Historical Archaeological Sites at Fort Leonard Wood, Pulaski County, Missouri, by C.G. Carlson-Drexler, E.R. Hartman, C.L. Baxter, and S.I. Enscoe	ADA559884
ERDC/CERL TR-12-7	Apr 2012	Historic Context and Management Plan for the Quarry Pond Archeological Complex on Fort Drum, by S.I. Enscoe and C.L. Baxter	ADA563522
ERDC/CERL TR-12-8	Apr 2012	An Investigation of Community Attitudes Toward Blast Noise: Complaint Survey Protocol, by E.T. Nykaza, K. Hodgdon, G. Wienke, T. Gaugler, P. Krecker, and G. Luz	ADA561216
ERDC/CERL TR-12-9	Apr 2012	An Investigation of Community Attitudes Toward Blast Noise: General Community Survey, Study Site 1, by E.T. Nykaza, D. Valente, S.H. Swift, B. Danielson, P. Krecker, K. Hodgdon, and T. Gaugler	ADA561222
ERDC/CERL TR-12-10	May 2012	Energy Conversion Efficiency Potential for Forward-Deployed Generation Using Direct Carbon Fuel Cells, by K. Berner, A. Perwich, C. Brett, J. Ruflin, P. Pharkya, A. Guha, S.M. Lux, and F.H. Holcomb	ADA565711
ERDC/CERL TR-12-11	Jun 2012	Vehicle Dynamics Monitoring and Tracking System (VDMTS): Monitoring Mission Impacts in Support of Installation Land Management, by D.J. Koch, P.D. Ayers, H.R. Howard, and G. Siebert	ADA565712

¹ ERDC/CERL TR-12-12	Aug 2012	Energy Supply Alternatives for the Fort Carson, CO Combat Aviation Brigade, by A.M. Zhivov, D.L. Herron, R. Liesen, K. Budde, S. Richter, R. Ziegler, S. Ochse, C.A. Lederer, L.W. Fielder, and P. Steitz	ADB383028
ERDC/CERL TR-12-13	Sep 2012	Facility Degradation and Prediction Models for Sustainment, Restoration, and Modernization (SRM) Planning, by M.N. Grussing	ADA570002
ERDC/CERL TR-12-14	Sep 2012	Analysis of the Mountain View Officers' Club: Fort Huachuca, Arizona, by A.D. Smith, S.I. Ensore, and S.L. Hunter	
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ERDC/CERL TR-12-17	Sep 2012	Resource Efficiency in the US Army Corps of Engineers: Examination of Strategies to Reduce Energy Use and Greenhouse Gas Emissions, by P.M. Loechl, M.R. Kemme, P.S. Shah, and W.D. Goran	ADA569529
ERDC/CERL TR-12-19	Oct 2012	Energy and Greenhouse Gas Emission Reduction Opportunities for Civil Works Projects Unique to the US Army Corps of Engineers, by M.R. Kemme and D.M. Underwood	ADA571664
ERDC/CERL TR-12-20	Sep 2012	ERDC-CERL Participation in the Resilient Home Program: 2009-2012, by T.R. Napier	
ERDC/CERL TR-12-21	Aug 2012	Digital Discover of Ephemeral Ponds, by J.D. Westervelt	ADA585112
¹ ERDC/CERL TR-12-24	Jul 2012	A Qualitative Study of Energy Reduction Opportunities and Indoor Air Quality Improvements in Facilities in an Expeditionary Theater: Afghanistan and Kuwait, by J.L. Vavrin	ADB388568
ERDC/CERL TR-12-25	Sep 2012	Demonstration of Energy-Saving Outdoor Lighting Technologies: Presidio of Monterey, CA, and Fort Eustis, VA, by P.L. Edwards, T.R. Napier, and S.B. Nemeth	

¹ Limited distribution; see Preface.

ERDC/CERL TR-13-2	Jan 2013	Optimal Management of DoD Lands for Military Training, Ecosystem Services, and Renewable Energy Generation: Framework and Data Requirements, by S.T.M. Dissanayake, H. Önal, and J.D. Westervelt	ADA575648
ERDC/CERL TR-13-3	Mar 2013	Advanced Bridge Capacity and Structural Integrity Assessment Methodology, by M.B. Gries, R.K. Giles, D.A. Kuchma, B.F. Spencer, L.A. Bergman, and J. Wilcoski	ADA582970
ERDC/CERL TR-13-4	Apr 2013	Improved Reliability Models for Mechanical and Electrical Components at Navigation Lock and Dam and Flood Risk Management Facilities, by R.C. Patev, D.L. Buccini, J.W. Bartek, and S. Foltz	ADA582967
ERDC/CERL TR-13-5	May 2013	Reptiles and Amphibians of Fairchild Air Force Base, WA, by J.H. Sperry	ADA582968
ERDC/CERL TR-13-6	Jun 2013	Polymer Composite Wrapping and Cathodic Protection System for Reinforced Concrete Piles in Marine Applications: Final Report on Project F08-AR07, by D.M. Bailey, V.F. Hock, P.A. Noyce, and M. Restly	ADA582965
ERDC/CERL TR-13-7	Jun 2013	Demonstration of Three Corrosion-Resistant Sustainable Roofing Systems: Final Report on Project F08-AR02, by D.M. Bailey, L.D. Stephenson, K. Palutke, L. Clark, and M. Merrick	ADA583907
¹ ERDC/CERL TR-13-8	Aug 2013	USACE Support to Contingency Base Energy Management: Lessons Learned, by J.L. Vavrin, W.T. Brown, and W.J. Stein	ADB402515
ERDC/CERL TR-13-9	Aug 2013	Providing Boiler Inspections at US Army Installations: How to Perform Internal/Operational, Efficiency, and Emissions Testing, by N.L. Potts	ADA599424
ERDC/CERL TR-13-10	Aug 2013	Costs and Benefits of Resilient Construction, by T.R. Napier	
ERDC/CERL TR-13-11	Aug 2013	Architectural Survey of Pershing Elementary School, Fort Leonard Wood, Missouri, by S.E. Adams and A.D. Smith	ADA608818

¹ Limited distribution; see Preface.

ERDC/CERL TR-13-12	Aug 2013	Historic Landscape Survey, Maxwell AFB, Alabama, by M.W. Tooker, E.R. Hartman, and A.D. Smith	ADA612553
ERDC/CERL TR-13-13	Sep 2013	Two for the Price of One: Integration of NEPA and NHPA Procedures, by M.K. Chawla, H.E. Balbach, and E.R. Hartman	ADA608631
ERDC/CERL TR-13-14	Sep 2013	Historic Landscape Survey, Randolph AFB, Texas, by M.W. Tooker, E.R. Hartman, and A.D. Smith	ADA597120
ERDC/CERL TR-13-15	Sep 2013	Modeling Climate-Change Effects on Snake Range Extents for Military Land Management, by A. Rundus, J.D. Westervelt, and J.H. Sperry	
ERDC/CERL TR-13-16	Sep 2013	Baseline Water Demand at Forward Operating Bases, by H.G. Anderson, S.W. Maloney, K. Kinnevan, E.D. Smith, K.J. Hay, and G.L. Gerdes	ADA613424
ERDC/CERL TR-13-17	Sep 2013	Contingency Base Camp Solid Waste Generation, by S.D. Cosper, H.G. Anderson, K. Kinnevan, and B.J. Kim	ADA613823
ERDC/CERL TR-13-18	Sep 2013	Contingency Base Camp Operations and Management: Staffing and Organization, by H.G. Anderson and K. Kinnevan	ADA614250
¹ ERDC/CERL TR-13-19	Sep 2013	"Other Subjective Criteria": The US Army's Understanding of Culture: The Development and Application of a Civil Affairs Coding Schema, by D.A. Krooks, C.M. Armstrong, L.A. Whalley, M.A. Kvitrud, E.C. Raab, and M.L. Remmel	ADB397060
ERDC/CERL TR-13-20	Oct 2013	Demonstration of Corrosion-Resistant Fire Hydrant Retrofits for Military Installations: Final Report on Project F09-AR12, by E.D. Smith, M.D. Ginsberg, and C. Wilson	ADA587794
ERDC/CERL TR-13-21	Oct 2013	Simulation of Wild Pig Control via Hunting and Contraceptives, by J.L. Burton, J.D. Westervelt, and S. Ditchkoff	
ERDC/CERL TR-13-22	Oct 2013	Climate Change Impacts on Fort Bragg, NC, by R.C. Lozar, M. Hiett, and J.D. Westervelt	ADA589143

¹ Limited distribution; see Preface.

ERDC/CERL TR-13-23	Oct 2013	Anticipating Installation Natural Resource Climate Change Concerns: The Data, by R.C. Lozar, M. Hiatt, and J.D. Westervelt	ADA592520
ERDC/CERL TR-13-25	Dec 2013	Water Sustainability Assessments for Four Net Zero Water Installations, by E.M. Jenicek, L. Curvey, Y. Cruz, and R. Phillips	ADA593903
ERDC/CERL TR-13-26	Dec 2013	Naval Weapons Station Earle Reassessment, by A.D. Smith and M.W. Tooker	
ERDC/CERL TR-14-1	Feb 2014	Corrosion-Resistant Roof with Integrated Photovoltaic Power System: Final Report on Project F09-AR04, by D.M. Bailey, T. Abdallah, K. Palutke, L. Clark, R. Miles, and M. Merrick	ADA595035
ERDC/CERL TR-14-2	Feb 2014	Lipophilic Super-Absorbent Swelling Gels as Cleaners for Use on Weapons Systems and Platforms, by V.M. Boddu, S.M. Uchimiya, M. Ohta, K. Sada, C. Myers, W. Ziegler, and T. Torres	
ERDC/CERL TR-14-3	Feb 2014	Demonstration of Photovoltaic-Powered Cathodic Protection System with Remote Monitoring Capability: Final Report on Project F08-AR14, by D.M. Bailey, C.P. Marsh, L.D. Stephenson, J. Taylor, L. Clark, D. Butler, and L. Millard	ADA597424
ERDC/CERL TR-14-4	Mar 2014	Framing an Understanding of Sociocultural Dynamics for Civil-Military Operations, by L.A. Whalley, N.R. Myers, J.L. Burton, D.A. Morrison, A.M. Rhodes, I. Scarborough, J. Vondryk, W. Zhang, N. Vander-Most, K. Taylor, D. Renn, D.A. Krooks, M.K. Chawla, C.C. Rewerts, and T.K. Perkins	
¹ ERDC/CERL TR-14-5	May 2014	Exhaust Hood and Makeup Air Optimization, by D.M. Underwood, A. Woody, M. Murphy, and V.A. Smith	ADB400989
ERDC/CERL TR-14-7	Jun 2014	Vietnam and the Home Front: How DoD Installations Adapted, 1962-1975, by E.R. Hartman, S.I. Enscoe, and A.D. Smith	ADA614648

¹ Limited distribution; see Preface.

ERDC/CERL TR-14-8	Jun 2014	Incorporating Physical, Social, and Institutional Changes in Water Resources Planning and Management: Lessons from a Review of Case Studies, by L.W. Canter, M.K. Chawla, and C.T. Swor	ADA607165
ERDC/CERL TR-14-9	Jul 2014	Corrosion/Degradation Monitoring Technology for Composite Materials used to Extend Building Service Life: Final Report on Project F07-AR03, by M.K. McInerney, O.S. Marshall, L.D. Stephenson, A. Kumar, L. Clark, C. Olaes, and V. Shinde	ADA607672
ERDC/CERL TR-14-10	Jul 2014	Demonstration and Validation of an Environmentally Compliant Vinyl Coating System for Cold Locations: Final Report on Project F10-AR08, by A.D. Beitelman and S.A. Drozd	
ERDC/CERL TR-14-11	Aug 2014	Regional Analysis of Historic Farmstead Archeological Site Characteristics on DoD Installations, by S.I. Enscoe, C.L. Baxter, G.W. Calfas, and M.W. Tooker	ADA610893
ERDC/CERL TR-14-12	Aug 2014	OPAL Netlogo Land Condition Model: Application and Validation at Fort Riley, KS, by D. Koch, J. Westervelt, A. Fulton, N. Myers, S. Tweddale, D. Gebhart, R. Busby, A. Dain-Owens, and H. Howard	ADA607647
ERDC/CERL TR-14-13	Aug 2014	Using Simple Environmental Variables to Estimate Biomass Disturbance, by N. Myers, D. Koch, A. Fulton, A. Dain-Owens, D. Gebhart, R. Busby, J. Westervelt, and H. Howard	ADA607667
ERDC/CERL TR-14-14	Sep 2014	Infrastructure and the Operational Art: A Handbook for Understanding, Visualizing, and Describing Infrastructure Systems, by S.D. Hart, J.L. Klosky, S. Katalenich, B. Spittka, and E. Wright	ADA609375
ERDC/CERL TR-14-15	Sep 2014	Demonstration of Noncorrosive, Capacitance-Based Water-Treatment Technology for Chilled-Water Cooling Systems: Final Report on Project F09-AR08, by A.D. Beitelman and M.K. McInerney	ADA609006

ERDC/CERL TR-14-17	Sep 2014	Application of Maxent Multivariate Analysis to Define Climate-Change Effects on Species Distributions and Changes, by R.C. Lozar and J.D. Westervelt	ADA619835
ERDC/CERL TR-14-18	Sep 2014	Remote Sensing Protocols for Parameterizing an Individual, Tree-Based, Forest Growth and Yield Model, by S.A. Tweddale, P.J. Guertin, and G.Z. Gertner	ADA609386
ERDC/CERL TR-14-20	Sep 2014	Sustainability Criteria for Contingency Bases, by H.G. Anderson, A.L. Stumpf, G. Rodriguez, S.L. Hunter, and K. Kinnevan	ADA610888
¹ ERDC/CERL TR-14-21	Sep 2014	Operational Energy for Contingency Basecamps: Historical Perspective of Achievements, Areas Needing Improvement, Recommendations, and a "Playbook" for Future Campaigns, by J.L. Vavrin	ADB402651
ERDC/CERL TR-14-22	Sep 2014	Design Enhancements to Facilitate a Sustainable and Energy Efficient Dining Facility (DFAC) in a Contingency Environment, by J.L. Vavrin and I. McNamara	ADA609596
¹ ERDC/CERL TR-14-23	Sep 2014	Abbreviated Level I Energy Study of the New Kabul Compound (NKC), Kabul, Afghanistan, by J.L. Vavrin	ADB402516
ERDC/CERL TR-14-24	Sep 2014	Base-Wide Biodigester for Basecamps in an Operational Environment, by J.L. Vavrin and I. McNamara	
ERDC/CERL TR-14-25	Sep 2014	Streamlined Archaeo-Geophysical Data Processing and Integration for Department of Defense Field Use, by E. Ernenwein, M.L. Hargrave, J. Cothren, and G. Avery	ADA610895
¹ ERDC/CERL TR-14-26	Sep 2014	Energy Security at U.S. Army Garrison Fort Detrick, MD: An Evaluation and Recommendations To Meet Current and Future Needs, by W.T. Brown, III, S.L. Hunter, T. Patel, R.A. Ducey, W.J. Stein, N.L. Potts, T. Abdallah, J.L. Vavrin, G. Perez, and N. Peterson	ADB402964

¹ Limited distribution; see Preface.

ERDC/CERL TR-14-27	Oct 2014	Avian and Herpetological Survey Results for Fairchild Air Force Base and Ancillary Properties, by J.H. Sperry	ADA610811
ERDC/CERL TR-14-28	Oct 2014	The United States Merchant Marine Academy Historic District: Nomination to the National Register of Historic Places, by A.D. Smith, S.I. Enscoe, and M.W. Tooker	ADA611643
ERDC/CERL TR-14-29	Oct 2014	William Barstow Mansion of the United States Merchant Marine Academy: Nomination to the National Register of Historic Places, by A.D. Smith, S.I. Enscoe, and M.W. Tooker	ADA611654
ERDC/CERL TR-14-32	Dec 2014	Biofuel Production: Considerations for USACE Civil Works Business Lines, by N.R. Myers, D.L. Gebhart, and M.D. Hiett	ADA613233
¹ ERDC/CERL TR-14-33	Dec 2014	Recyclable Materials Online Marketing System for Qualified Recycling Programs (QRPs): Demonstration Results, by G. Rodriguez, D.S. Gilbert, and S.D. Cosper	ADB404064
¹ ERDC/CERL TR-15-1	Feb 2015	SMART Energy Efficient Deployable Shelters (SEEDS): Base Year Report, by A.H. Shaaban, E.M. Languri, A. Yacout, and W.T. Brown	ADB406836
ERDC/CERL TR-15-2	Feb 2015	Multivariate Bioclimatic Ecosystem Change Approaches, by R.C. Lozar and J.D. Westervelt	ADA614143
ERDC/CERL TR-15-5	May 2015	Demonstration and Validation of Corrosion-Mitigation Technologies for Mechanical Room Utility Piping and Cooling-Tower Pumps: Final Report on Project F07-ARCTC01, by R.B. Mason, K.L. Klug, R.G. Lampo, A.D. Beitelman, S.A. Drozd, and V.F. Hock	ADA618148
ERDC/CERL TR-15-6	May 2015	Multifunctional Nanocomposites for Improved Sustainability and Protection of Facilities, by D. Mao, I. Pavlovsky, R.L. Fink, J.C. Trovillion, V.M. Boddu, L.D. Stephenson, D.J. Lawrence, and A. Kumar	ADA618126
ERDC/CERL TR-15-7	May 2015	Level I Energy and Water Survey, ERDC-CERL, Champaign, IL, by J.P. Miller, D.M. Underwood, L.E. Curvey, P. Loechl, and W.T. Brown, III	ADA619834

¹ Limited distribution; see Preface.

ERDC/CERL TR-15-8	May 2015	Prediction of Long Term Degradation of Insulating Materials, by L.D. Stephenson, A. Heffron, B.B. Mehnert, J.B. Alvey, V. Boddu, E.J. Gao, D.J. Lawrence, and A. Kumar	ADA618149
ERDC/CERL TR-15-9	May 2015	Demonstration and Validation of a High-Performance Floor-Sealant System to Reduce Concrete Degradation: Final Report on Project F10-AR02, by C.A. Wilson and S.A. Drozd	ADA620027
ERDC/CERL TR-15-10	Jun 2015	Development of Thermal Bridging Factors for Use in Energy Models, by A. Pagan-Vazquez, D. Chu, J. Straube, R. Ryan, and M. Lawton	ADA620011
ERDC/CERL TR-15-11	Jun 2015	Analytical Frameworks for Addressing Physical, Social, and Institutional Changes in Water Resources Planning and Management, by M.K. Chawla, L.W. Canter, and C.T. Swor	ADA620010
ERDC/CERL TR-15-12	Jun 2015	Demonstration of Corrosion-Resistant Coatings for Air-Conditioning Coils and Fins: Final Report on Project F10-AR01, by A.D. Beitelman and S.A. Drozd	ADA619778
ERDC/CERL TR-15-13	Jul 2015	Energy Performance Measurement and Simulation Modeling of Tactical Soft-Wall Shelters, by M. Deru, E. Bonnema, G. Barker, E. Hancock, and A. Kumar	ADA621105
ERDC/CERL TR-15-14	Jun 2015	A Design for Computationally Enabled Analyses Supporting the Pre-Intervention Analytical Framework (PIAF), by W.J. Tolone, J. Whitmeyer, J. Walsh, M. Hadzikadic, T. Carmichael, M. Armstrong, T.K. Perkins, and C.C. Rewerts	ADA622838
ERDC/CERL TR-15-16	Aug 2015	Development of Cold-Formed Steel Seismic Design Recommendations, by J. Wilcoski and D.A. Foutch	ADA621106
ERDC/CERL TR-15-17	Aug 2015	Kinetic Super-Resolution Long-Wave Infrared (KSR LWIR) Thermography Diagnostic for Building Envelopes: Scott AFB, IL, by J.P. Miller and N. Singh	ADA621108
ERDC/CERL TR-15-18	Aug 2015	Kinetic Super-Resolution Long-Wave Infrared (KSR LWIR) Thermography Diagnostic for Building Envelopes: Camp Lejeune, NC, by J.P. Miller and N. Singh	ADA621109

ERDC/CERL TR-15-19	Aug 2015	The Structural Insulated Panel "SIP Hut": Preliminary Evaluation of Energy Efficiency and Indoor Air Quality, by M.A. Kreiger, D. Chu, S.S. Shrestha, K.J. Hay, M.R. Kemme, A.C. Johannes, C. Decker, D. Lawrence, A. Kumar, S.D. Hart, and K.F. Meyer	ADA621107
ERDC/CERL TR-15-21	Sep 2015	Considerations for Net Zero Waste Installations: Treatment of Municipal Solid Waste, by S.D. Cosper	ADA621900
ERDC/CERL TR-15-22	Sep 2015	Dynamic Modeling of Societal Impacts Resulting from Disabling or Enabling Infrastructure During Military Missions, by G.K. Al-Chaar and M.L. Banko	
ERDC/CERL TR-15-23	Sep 2015	Simulated Aging and Characterization of Phase Change Materials for Thermal Management of Building Envelopes, by E.J. Gao, J. Patel, V.M. Boddu, L.D. Stephenson, D. Lawrence, and A. Kumar	ADA621877
ERDC/CERL TR-15-24	Sep 2015	Climate Change Impacts on Water and Energy for Army Installations, by J. Miller, J. Wilhoit, K. Tranel, and L. Curvey	ADA622251
ERDC/CERL TR-15-25	Dec 2015	Camp Sherman, Ohio: History of a World War I Training Camp, by S.I. Ensore, A.D. Smith, and M.W. Tooker	ADA624486
ERDC/CERL TR-15-26	Sep 2015	Comparison and Analysis of Energy Performance of Baseline and Enhanced Temporary Army Shelters, by A. Pagan-Vazquez, D. Chu, M. Kreiger, S. Shrestha, A. Latino, C.T. Decker, D.J. Lawrence, and A. Kumar	ADA621864
¹ ERDC/CERL TR-15-27	Oct 2015	Mold Remediation and Recommendations to Resolve Other Major Issues in Concrete B-Huts at Bagram Airfield, Afghanistan, by J.L. Vavrin and W.J. Stein	ADB411470
ERDC/CERL TR-15-28	Oct 2015	Demonstration of the Energy Component of the Installation Master Plan Using the "Net Zero Energy Planner" Tool, by A.M. Zhivov, M.P. Case, R. Liesen, and M. Swanson	

¹ Limited distribution; see Preface.

ERDC/CERL TR-15-29	Oct 2015	Demonstration and Validation of Materials for Corrosion-Resistant Fencing and Guard Railings in Aggressive Climates. Final Report on Project F09-ARO2, by C. Olaes, R.G. Lampo, and L. Clark	ADA625511
ERDC/CERL TR-15-30	Sep 2015	Developing Baselines for Prescribed Burning Smoke Management Plans and Best Management Practices, by M.R. Kemme	ADA625592
ERDC/CERL TR-15-31	Sep 2015	Applicability of the FHWA Program Comment for Common Post-1945 Concrete and Steel Bridges, by A.D. Smith and M.W. Tooker	
ERDC/CERL TR-15-32	Nov 2015	Evaluation of Sealing Materials and Techniques for Installing Quoin and Miter Block Backing Grout, By S. Foltz, J. Trovillion, and J. Ryan	
ERDC/CERL TR-15-33	Dec 2015	Demonstration and Validation of Controlled Low-Strength Materials for Corrosion Mitigation of Buried Steel Pipes: Final Report on Project F09-A17, by S.M. Lux, C.P. Marsh, J.B. Bushman, B.S. Phull, C. Olaes, and L. Clark.	
ERDC/CERL TR-15-34	Dec 2015	Inventory and Evaluation of Buildings in the Industrial Area, Cape Canaveral Air Force Station, by S.I. Ensore and J.L. Webster	
ERDC/CERL TR-15-36	Dec 2015	Guidance on the Use of Historic Human Remains Detection Dogs for Locating Unmarked Cemeteries, by C.L. Baxter and M.L. Hargrave	
ERDC/CERL TR-15-37 Vol. 1	Dec 2015	Architectural Survey at Joint Base Langley-Eustis of Fort Eustis Buildings and Structures Built 1946-1975: Volume I, by S.E. Adams and A.D. Smith	
ERDC/CERL TR-15-37 Vol. 2	Dec 2015	Architectural Survey at Joint Base Langley-Eustis of Fort Eustis Buildings and Structures Built 1946-1975: Volume II (Inventory Forms), by S.E. Adams and A.D. Smith	ADA631911
ERDC/CERL TR-15-38	Dec 2015	Architectural Survey of Ohio Army National Guard Properties: Volume I, by S.E. Adams and A.D. Smith	

5 Environmental Laboratory (EL)

Contract reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/EL CR-12-1	Apr 2012	Approaches to Golden Algae Control: In-Lake Mesocosm Experiments, by D.L. Roelke, B.W. Brooks, J.P. Grover, D.M. Kalisek, and B.L. Harris	ADA558774
ERDC/EL CR-12-2	Jul 2012	Habitat Preference, Dispersal, and Population Trends of Three Species of Invasive Asian Carps in Tributaries of the La Grange Reach of the Illinois River, by M.R. Wilson	ADA572121
ERDC/EL CR-12-3	Dec 2012	TernCOLONY 1.0 Model Description, by C.A. Lott, S.F. Railsback, and C.J.R. Sheppard	
ERDC/EL CR-12-4	Dec 2012	Effects of Dam Operations on Least Tern Nesting Habitat and Reproductive Success Below Keystone Dam on the Arkansas River, by C.A. Lott and R.L. Wiley	
ERDC/EL CR-13-1	Apr 2013	Golden Algae Control: Efficacy of Hydraulic Manipulations in Coves of Lake Granbury, by D.L. Roelke, B.W. Brooks, J.P. Grover, and V.M. Lundgren	ADA582953
ERDC/EL CR-13-2	Jun 2013	Developing and Testing TernCOLONY 1.0: An Individual-based Model of Least Tern Reproduction, by C.A. Lott, S.F. Railsback, C.J.R. Sheppard, and M.C. Koohafkan	ADA587603
ERDC/EL CR-13-3	Nov 2013	Modeling the Performance of Sand Filters for Removing Runoff Suspended Sediment, by M.S. Dortch	ADA599508
ERDC/EL CR-14-1	May 2014	Measuring Environmental Value in Nonmonetary Terms: A Review of Common Practices and Elements, by R.A. Cole	ADA601306
ERDC/EL CR-14-2	Jul 2014	Identification, Development, and Release of Insect Biocontrol Agents for the Management of <i>Phragmites australis</i> , by B. Blossey	ADA604573
ERDC/EL CR-14-3	Aug 2014	Evaluation of Time-Varying Hydrology within the Training Range Environmental Evaluation and Characterization System (TREECS™), by M.S. Dortch	ADA607668

Instruction reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
IR EL-99-2	Dec 1999	Tri- Service Site Characterization and Analysis Penetrometer System (SCAPS) Validation of the Thermal Desorption Sampler for Volatile Organic Compounds, by K.F. Myers, R.A. Karn, D.Y. Eng, K.F. Konecny, and W.M. Davis	ADA379231

Letter reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	
¹ ERDC/EL LR-13-1	Jun 2013	The Impact of Invasive Species on Department of Defense Installations in the Chesapeake Bay Watershed, by J.F. Shearer, N.E. Harms, and M. Graves	
¹ ERDC/EL LR-13-2	Jul 2013	Corrective Actions for Marina Erosion and General Pollutant Runoff, by S.J. Miller, J.C. Fischenich, M.G. Channell, R.W. McComas, and K. Kerr	
¹ ERDC/EL LR-13-3	Jul 2013	Wetland Regulatory Considerations at Army Installations, by T.C. Wilder, E.O. Murray, and N.R. Beane	
¹ ERDC/EL LR-13-4	Jul 2013	Recommendations for Army Lands Management Contribution to Oyster Restoration in Chesapeake Bay, by T.M. Swannack, M.K. Reif, S. Bourne, A.F. Casper, and D.M. Schulte	
¹ ERDC/EL LR-13-5	Aug 2013	Submersed Aquatic Vegetation (SAV) Restoration for Army Installations on Chesapeake Bay: Identification of Suitable Sites and Restoration Methodology, by C.S. Owens, R.M. Smart, T. Beser, G.O. Dick, and L. Dodd	

Miscellaneous papers

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/EL MP-00-1	Sep 2000	Advantages and Disadvantages of Aquatic Plant Management Techniques, by J.D. Madsen	ADA387448
ERDC/EL MP-01-1	Aug 2001	Assessing the Effect of Estimation Error on Population Viability Analysis: An Example Using the Black-Capped Vireo, by P. Parysow and D.J. Tazik	ADA394828

¹ Limited distribution; see Preface.

ERDC/EL MP-01-2	Aug 2001	Innovative Techniques for Improved Hydroacoustic Bottom Tracking in Dense Aquatic Vegetation, by B.M. Sabol and S.A. Johnston	ADA394436
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Special reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/EL SR-D-00-1	Feb 2000	RECOVERY: A Contaminated Sediment-Water Interaction Model, by C.E. Ruiz, P.R. Schroeder, and N.M. Aziz	
ERDC/EL SR-W-00-1	Mar 2000	Stream Management, by J.C. Fischenich and H. Allen	
ERDC/EL SR-00-1	Feb 2000	Potential Use of Insect Biocontrol Agents for Reducing the Competitive Ability of Hydrilla verticillata, by M.J. Grodowitz, R. Doyle, and R.M. Smart	ADA377340
ERDC/EL SR-00-2	Feb 2000	Potential Impacts of the North Fork Hughes River Project, Ritchie County, West Virginia, 1999, on Freshwater Mussels (Unionidae), by A.C. Miller and B.S. Payne	ADA373815
ERDC/EL SR-00-3	Feb 2000	Long-Term Management Strategy for Dredged Material Disposal for Naval Facilities at Pearl Harbor, Hawaii. Phase 1, Formulation of Preferred Disposal and Management Alternatives, by P.R. Schroeder and M.R. Palermo	ADA375283
ERDC/EL SR-00-4	Mar 2000	Long-Term Management Strategy for Dredged Material Disposal for Naval Facilities at Pearl Harbor, Hawaii. Phase II, Evaluation of Alternatives, by P.R. Schroeder, R.A. Price, D.E. Averett, R. Wade, S.A. Pranger, D.C. Neumann, and J. Figueroa-Gonzalez	ADA375870
ERDC/EL SR-00-5	Mar 2000	Long-Term Management Strategy for Dredged Material Disposal for Naval Facilities at Pearl Harbor, Hawaii. Phase III, Analysis of Alternatives and Development of an LTMS, by M.R. Palermo and P.R. Schroeder	ADA376156
ERDC/EL SR-00-6	Apr 2000	Water Quality Studies at Cougar Lake, Blue River Lake, and the McKenzie River, Oregon, by J.J. Hains	ADA375606

ERDC/EL SR-00-7	Apr 2000	Supplemental Water Quality Analysis - St. Johns Bayou and New Madrid Floodway, by S.L. Ashby, C.E. Ruiz, and P. Deliman	ADA379149
ERDC/EL SR-00-8	Jun 2000	Sediment Resuspension Dynamics in Canopy- and Meadow-Forming Submersed Macrophyte Communities, by W.F. James and J.W. Barko	ADA380814
ERDC/EL SR-00-9	Aug 2000	Water Quality Modeling of J. Percy Priest Reservoir Using CE-QUAL-W2, by J.L. Martin and T.M. Cole	ADA382205
ERDC/EL SR-00-10	Sep 2000	Workshop on Standardizing Hydroacoustic Methods of Estimating Fish Passage for Lower Columbia River Dams, by G.R. Ploskey, D.S. Patterson, C.R. Schilt, and M.E. Hanks	ADA383952
ERDC/EL SR-00-11	Sep 2000	Status of Waterhyacinth/Hydrilla Infestations and Associated Biological Control Agents in Lower Rio Grande Valley Cooperating Irrigation Districts, by M.J. Grodowitz, J.E. Freedman, H. Jones, L. Jeffers, C.F. Lopez, and F. Nibling	ADA383998
ERDC/EL SR-00-12	Sep 2000	Gasoline Alley, Fort Drum Bioremediation Evaluation, Area 1795, Phase I and Phase II, by L. Hansen, S. Waisner, D. Ringelberg, H. Fredrickson, R. Wade, R. Bajpai, and J. Talley	ADA385445
ERDC/EL SR-00-13	Sep 2000	Gasoline Alley, Fort Drum Bioremediation Evaluation, Area 1595, Phase I and Phase II, by L. Hansen, S. Waisner, D. Ringelberg, H. Fredrickson, R. Wade, R. Bajpai, and J. Talley	ADA385778
ERDC/EL SR-00-14	Nov 2000	Evaluation of Wetland Creation with John F. Baldwin Ship Channel Sediment, by C.R. Lee, D.L. Brandon, J.W. Simmers, H.E. Tatem, and R.A. Price	
ERDC/EL SR-00-15	Nov 2000	Field Survey of Contaminant Concentrations in Existing Wetlands in the San Francisco Bay Area, by C.R. Lee, D.L. Brandon, J.W. Simmers, H.E. Tatem, R.A. Price, and S.P. Miner	ADA385446
ERDC/EL SR-00-16	Dec 2000	Wetlands Management Handbook, by C.B. Schneider, and S.W. Sprecher	ADA388199
ERDC/EL SR-01-1	Mar 2001	VALLA (Version 1.0): A Simulation Model for Growth of American Wildcelery, by E.P.H. Best and W.A. Boyd	ADA389343

ERDC/EL SR-01-2	Feb 2001	Biological Assessment of Streams Associated with the Northern Training Complex at Fort Knox, Kentucky, August 2000, by B.S. Payne and W.B. Green	ADA389370
ERDC/EL SR-01-3	Jul 2001	Water Quality Modeling of Allatoona and West Point Reservoirs Using CE-QUAL-W2, by T.M. Cole and D.H. Tillman	ADA394432
ERDC/EL SR-02-1	Jul 2002	Watershed Modeling System Hydrological Simulation Program: Watershed Model User Documentation and Tutorial, by P.N. Deliman, C.E. Ruiz, C.T. Manwaring, and E.J. Nelson	ADA405653
ERDC/EL SR-03-1	Jul 2003	POTAM (Version 1.0): A Simulation Model for Growth of Sago Pondweed, by E.P.H. Best and W.A. Boyd	ADA417049
ERDC/EL SR-04-1	Feb 2004	SELECT Version 1.0 Beta: A One-Dimensional Reservoir Selective Withdrawal Model Spreadsheet, by M.L. Schneider, S.C. Wilhelms, and L.I. Yates	ADA422160
ERDC/EL SR-04-2	Jun 2004	Salvinia molesta D. S. Mitchell (Giant Salvinia) in the United States: A Review of Species Ecology and Approaches to Management, by D.G. McFarland, L.S. Nelson, M.J. Grodowitz, R.M. Smart, and C.S. Owens	ADA425068
ERDC/EL SR-04-3	Jul 2004	Flood Event Assessment Tool (FEAT) User's Manual and Technical Documentation, by J.R. Ballard, Jr., and M.R. Kress	ADA426038
¹ ERDC/EL SR-04-4	Jul 2004	White Phosphorus Wetland Storage Final Assessment Report, by J.W. Simmers, R.A. Price, R.P. Jones, Jr., K.F. Myers, R.A. Karn, C.D. Hahn, H.E. Tatem, and J.M. Roper	ADB301917
ERDC/EL SR-05-1	Sep 2005	A Survey of the Invasive Aquatic and Riparian Plants of the Lower Rio Grande, 2004, by C.S. Owens, M.J. Grodowitz, and F. Nibling	ADA440204
ERDC/EL SR-09-1	Aug 2009	User's Guide to Linking the CE-QUAL-ICM and Ecopath Models, by C.F. Cerco, D.H. Tillman, and T.K. Gerald	ADA508368
ERDC/EL SR-09-2	Sep 2009	A Reference Guide for Available Data in Eastern Louisiana and Mississippi Coastal Waters: A Data Report for Future Water Quality Modeling Projects, by T.L. Threadgill	

¹ Limited distribution; see Preface.

ERDC/EL SR-11-1	Aug 2011	Ecological DYnamics Simulation Model - Light (EDYS-L): User's Guide Version 4.6.4, by C.L. Coldren, T. McLendon, W.M. Childress, D.L. Price, and M.R. Graves	ADA548693
ERDC/EL SR-12-1	Dec 2012	HEAT - Habitat Evaluation and Assessment Tools for Effective Environmental Evaluations: User's Guide, by K.A. Burks-Copes, A.C. Webb, M.F. Passmore, and S.D. McGee-Rosser	ADA583087
ERDC/EL SR-15-1	Feb 2015	Determination of Nanomechanical Properties by Atomic Force Microscopy: Scientific Operating Procedure SOP-C-2, by M.F. Cuddy, A.R. Poda, and M.S. Hull	ADA616441
ERDC/EL SR-15-2	Feb 2015	Environmental Consequences of Nanotechnologies: Nanoparticle Dispersion in Aqueous Media: SOP-T-1, by J.G. Coleman, A.J. Kennedy, and A.R. Harmon	ADA613776
ERDC/EL SR-15-3	Apr 2015	Characterization of Nanomaterials Using Field Flow Fractionation and Single Particle Inductively Coupled Plasma Mass Spectrometry (FFF-ICP-MS and SP-ICP-MS): Scientific Operating Procedure SOP-C-1, by A.J. Bednar, A.R. Poda, A.J. Kennedy, K.C. Armstrong, E.P. Gray, C. Higgins, and J.F. Ranville	ADA614455
ERDC/EL SR-15-4	Jul 2015	Purification and Concentration of Nanoparticles Using Diafiltration. Scientific Operating Procedure Series: SOP-P-1, by L.F. Miller and M.A. Chappell	ADA620552
ERDC/EL SR-15-5	Aug 2015	Development of a Chronic Toxicity Testing Method for <i>Daphnia pulex</i> , by J.G. Laird, A.J. Kennedy, N.L. Melby, C.D. Lounds, and P. Gong	ADA623139

Technical notes

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/EL TN-04-01	Mar 2004	Monitoring Wetland Functional Recovery of Bottomland Hardwood Sites in the Yazoo Basin, MS, by M.N. Humphrey, J.P. Lin, B.A. Kleiss, and D.E. Evans
ERDC/EL TN-04-02	Jul 2004	Restoration Potential of <i>Ruppia maritima</i> and <i>Potamogeton perfoliatus</i> by Seed in the Mid-Chesapeake Bay, by S. Ailstock and D. Shafer
ERDC/EL TN-06-1	Jul 2006	Salinity Measurements and General Condition of Violet Marsh, Post Hurricane Katrina, by J.P. Lin and B.A. Kleiss

ERDC/EL TN-06-2	Jul 2006	A Pilot Study of Post-Hurricane Katrina Floodwater Pumping on Marsh Infauna, by G.L. Ray
ERDC/EL TN-06-3	Oct 2006	A Pilot Study of the Effects of Post- Hurricane Katrina Floodwater Pumping on the Chemistry and Toxicity of Violet Marsh Sediments, by B.C. Suedel, J.A. Steevens, and D.E. Splichal
ERDC/EL TN-06-4	Oct 2006	Characterization of Post-Hurricane Katrina Floodwater Pumping on Marsh Infauna, by G.L. Ray
ERDC/EL TN-06-5	Dec 2006	Water and Sediment Data for Chemical Indicators of Contamination, by T. Bowley, S. Larson, and A. Bednar
ERDC/EL TN-07-1	Dec 2007	Thin Layer Placement of Dredged Material on Coastal Wetlands: A Review of the Technical and Scientific Literature, by G.L. Ray
ERDC/EL TN-09-1	Aug 2009	Evaluation of Remotely Sensed Data for the Application of Geospatial Techniques to Assess Hurricane Impacts on Coastal Bird Habitat, by S.S. Jackson, R.A. Fischer, M.P. Guilfoyle, and J.S. Wakeley
ERDC/EL TN-10-1	May 2010	Effects of a Nonnative, Invasive Lovegrass on Agave palmeri Distribution, Abundance, and Insect Pollinator Communities, by D.L. Lindsay, P. Bailey, R.F. Lance, M.J. Clifford, R. Delph, and N.S. Cobb
ERDC/EL TN-10-2	May 2010	Evaluation of a Method for Measuring Lateral Obscuration of Coastal Marsh Vegetation in Louisiana, by J.P. Lin, S. Bourne, B. Couvillon, J.M. Smith, G. Snedden, G.D. Steyer, and S.L. Yost
ERDC/EL TN-10-3	Jul 2010	HEC-HMS Development in Support of Russian River Watershed Assessment, by Z. Zhang and B.E. Johnson
ERDC/EL TN-10-4	Jul 2010	Release of the Biological Control Agent <i>Puccinia jaceae</i> var. <i>solstitialis</i> for Management of Yellow Starthistle at Fort Hunter Liggett, CA, by J.F. Shearer and A.M. Hamblin
ERDC/EL TN-10-5	Aug 2010	Vertical Accretion Rates in Coastal Louisiana: A Review of the Scientific Literature, by J.C. Jarvis
ERDC/EL TN-11-1	Mar 2011	Flood Risk Management: Insights from an Expert Modeling Process, by M.D. Wood, I. Linkov, T. Bridges, D. Kovacs, S. Thorne, and G. Butte
ERDC/EL TN-11-2	Jul 2011	Relationships Between Landscape-Level Changes and Seasonal Bird Communities at Fort Benning, Georgia, by M.P. Guilfoyle, S.C. Anderson, and S.G. Bourne
ERDC/EL TN-11-3	Aug 2011	Evaluation of Commercially Available Herbicide Mixes for Control of Rosette Stage Yellow Starthistle (<i>Centaurea solstitialis</i> L.), by C.R. Mudge, R.M. Wersal, and L.S. Nelson

ERDC/EL TN-11-4	Aug 2011	Guidance for USACE Dredging Projects Affected by Oil Spills, by W.P. Lorentz, T.J. Estes, A.J. Bednar, G.R. Lotufo, S.E. Bailey, and J.M. Corbino
ERDC/EL TN-12-1	Apr 2012	Survey for Pathogens of Phragmites in New York, by J.F. Shearer and N.E. Harms
ERDC/EL TN-12-2	May 2012	Field Analysis of Munitions Constituents Using a Field-portable GC-MS, by A.J. Bednar, A.L. Russell, C.A. Hayes, W.T. Jones, P. Tackett, M. Wells, D. Justes, R.A. Kirgan, D. Splichal, L. Parker, and T. Georgian
ERDC/EL TN-13-1	Apr 2013	Chemical Control of Invasive Phragmites in a Great Lakes Marsh: A Field Demonstration, by K.D. Getsinger, A.G. Poovey, E. Kafcas, and J. Schafer
ERDC/EL TN-13-2	Jul 2013	Minnehaha Creek Watershed SWMM5 Model Data Analysis and Future Recommendations, by Z. Zhang and C. Mueller
ERDC/EL TN-13-3	Jul 2013	Identifying, Developing and Releasing Insect Biocontrol Agents for the Management of Phragmites australis, by B. Blossey, R.A. Casagrande, L. Tewksburg, H. Hinz, P. Haflinger, L. Martin, and J. Cohen
ERDC/EL TN-14-1	May 2014	A Robust, Scalable Framework for Conducting Climate Change Susceptibility Analyses, by E.R. Britzke, N.R. Beane, A.V. Davis, M.D. Whitby, and S.M. Brasfield
ERDC/EL TN-14-2	Jun 2014	PCB Content of Sediments Collected at Manistique Harbor, Michigan, by K. Gustavson
ERDC/EL TN-14-3	Jul 2014	A Rapid Spectrophotometric Screening Method for 2,4-dinitroanisole in Laboratory Water, by C.D. Lounds, A.J. Kennedy, A.R. Poda, and A.L. Russell
ERDC/EL TN-14-4	Jul 2014	A Guide for Incorporating AdH Modeling Data into ArcGIS® Using a netCDF: A Case Study for the Sacramento River, by C.L. Saltus, A.V. Davis, T.L. Threadgrill, A. Hammack, and D.L. Smith
ERDC/EL TN-14-5	Aug 2014	A Review of the Recent Scientific Literature on Irrigation Induced and Enhanced Wetlands, by J.F. Berkowitz and D.E. Evans
ERDC/EL TN-15-1	Mar 2015	Developing Conceptual Models for Assessing Climate Change Impacts to Contaminant Availability in Terrestrial Ecosystems, by B.C. Suedel, N.R. Beane, E.R. Britzke, C.R. Montgomery, and S.M. Brasfield
ERDC/EL TN-15-2	Jul 2015	Evaluation of Uncertainty in Constituent Input Parameters for Modeling the Fate of RDX, by M.S. Dortch

Technical reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR EL-99-11	Oct 1999	Moist-Soil Impoundments for Wetland Wildlife, by J.J. Lane and K.C. Jensen	ADA371794
TR EL-99-12	Nov 1999	An Overview of Jefferson Proving Ground UXO Technology Demonstration (Phase III) Contractor Performance Self-assessments, by J.O. Curtis	ADA371273
TR EL-99-13	Nov 1999	Water Quality in Richard B. Russell and J. Strom Thurmond Lakes: Interim Report for the Period 1997-1998, by J.J. Hains, W.E. Jabour, R.H. Kennedy, W. Boyd, J.M. Satterfield, and P.K. Howle	ADA371614
TR EL-99-14	Oct 1999	An Evaluation of Freshwater Mussels in the Lower Ohio River in Relation to the Olmsted Locks and Dam Project: 1998 Studies, by B.S. Payne and A.C. Miller	ADA375130
TR EL-99-15	Dec 1999	Detailed Reservoir Water Quality Modeling (CE-QUAL-W2), Alabama-Coosa-Tallapoosa/Apalachicola-Chattahoochee-Flint (ACT/ACF) Comprehensive Water Resource Study, by D.H. Tillman, T.M. Cole, and B.W. Bunch	
ERDC/EL TR-00-1	Jan 2000	Zebra Mussel Chemical Control Guide, by S.L. Sprecher and K.D. Getsinger	ADA375208
ERDC/EL TR-00-2	Feb 2000	Water Movement in Relation to Fecal Coliform Contamination in the Metro Beach Area of the Lake St. Clair, Michigan, by C.S. Smith, W.F. James, H.L. Eakin, and J.W. Barko	ADA376315
ERDC/EL TR-00-3	Mar 2000	Terrestrial Invertebrates, Edwards Air Force Base, 1997, by G. Pratt	ADA377014
ERDC/EL TR-00-4	Apr 2000	Simulating Population Dynamics in an Ecosystem Context Using Coupled Eulerian-Lagrangian Hybrid Models (CEL HYBRID Models), by J.M. Nestler and R.A. Goodwin	ADA380298
ERDC/EL TR-00-5	Jun 2000	Reducing the Effects of Maintenance Dredging on Freshwater Mussels in the Alabama River, Alabama, by A.C. Miller	ADA379934

ERDC/EL TR-00-6	Jul 2000	Summary Report, Risk Assessment Modeling Workshop, 14-15 May 1998, New Orleans, Louisiana, by P.N. Deliman, C.E. Ruiz, and J.A. Gerald	ADA380703
ERDC/EL TR-00-7	Aug 2000	Theoretical Basis for the CE-QUAL-W2 River Basin Model, by S.A. Wells and T.M. Cole	ADA382290
ERDC/EL TR-00-8	Aug 2000	Experimental Hydroacoustic Deployments to Improve Estimates of Fish Guidance Efficiency, by M.E. Hanks and G.R. Ploskey	ADA384681
ERDC/EL TR-00-9	Sep 2000	An Evaluation of Solidification/Stabilization for Sediments from the Puget Sound Naval Shipyard, by M.G. Channell	ADA384015
ERDC/EL TR-00-10	Sep 2000	Water Quality Model of Florida Bay, by C.F. Cerco, B.W. Bunch, A.M. Teeter, and M.S. Dortch	ADA385000
ERDC/EL TR-00-11	Sep 2000	Adsorption and Transformation of Explosives in Low-Carbon Aquifer Soils, by C.B. Price, J.M. Brannon, S.L. Yost, and C.A. Hayes	ADA385046
ERDC/EL TR-00-12	Sep 2000	Development of a Numerical Fish Surrogate for Improved Selection of Fish Passage Design and Operation Alternatives for Lower Granite Dam: Phase I, by J.M. Nestler, R.A. Goodwin, and R.S. Chapman	ADA385755
ERDC/EL TR-00-13	Sep 2000	Bioremediation Treatability Study for Remedial Action at Popple, Inc., Site, El Dorado, Arkansas. Phase II. Pilot-Scale Evaluation, by L. Hansen, C. Nestler, M. Channell, D. Ringelberg, H. Fredrickson, and S. Waisner	ADA383479
ERDC/EL TR-00-14	Sep 2000	Removal of RDX From a Contaminated Groundwater by In Situ Bioremediation, by S.A. Waisner, H.L. Fredrickson, L.D. Hansen, and K. Banerji	ADA385165
ERDC/EL TR-00-15	Oct 2000	An Analysis of Freshwater Mussels (Unionidae) in the Upper Ohio River near Huntington, West Virginia, 1998 Studies, by A.C. Miller and B.S. Payne	ADA384564
ERDC/EL TR-00-16	Sep 2000	An Investigation of the Mussel Resource at Selected Locations Along the Alabama River, Alabama, 1999, by A.C. Miller	ADA385866

ERDC/EL TR-00-17	Sep 2000	Expanding Wetland Assessment Procedures: Linking Indices of Wetland Function with Services and Values, by D.M. King, L.A. Wainger, C.C. Bartoldus, and J.S. Wakeley	ADA385356
ERDC/EL TR-00-18	Nov 2000	SEAM3D: A Numerical Model for Three-Dimensional Solute Transport and Sequential Electron Acceptor-Based Bioremediation in Groundwater, by D.W. Waddill and M.A. Widdowson	ADA385443
ERDC/EL TR-00-19	Sep 2000	An Evaluation of Aquatic Habitats at Edwards Air Force Base, California, by A.C. Miller and B.S. Payne	ADA389118
ERDC/EL TR-00-20	Nov 2000	Terrestrial Arthropods of Edwards Air Force Base, 1996-1998, by G. Pratt	ADA386626
ERDC/EL TR-01-1	Jan 2001	Hydroacoustic Evaluation of the Bonneville Dam Prototype Surface Collector in 1999, by G.R. Ploskey, P.N. Johnson, W.T. Nagy, C.R. Schilt, L.R. Lawrence, D.S. Patterson,, , and J.R. Skalski	ADA388388
ERDC/EL TR-01-2	Jan 2001	Hydroacoustic Evaluation of Juvenile Salmonid Passage Through Experimental Routes at Bonneville Dam in 1998, by G.R. Ploskey, W.T. Nagy, L.R. Lawrence, D.S. Patterson, C.R. Schilt, P.N. Johnson, and J.R. Skalski	ADA387530
ERDC/EL TR-01-3	Jan 2001	RECOVERY Version 2.0, A Mathematical Model to Predict the Temporal Response of Surface Water to Contaminated Sediments, by C.E. Ruiz and T. Gerald	ADA390143
ERDC/EL TR-01-4	Aug 2001	An Investigation of Mussel Resources in Selected Bayous, Northwestern Mississippi, 1999 and 2000, by A.C. Miller and B.S. Payne	ADA395883
ERDC/EL TR-01-5	Mar 2001	A Simulation Model for Growth of the Submersed Aquatic Macrophyte American Wildcelery (<i>Vallisneria americana</i> Michx.), by E.P.H. Best and W.A. Boyd	ADA389341
ERDC/EL TR-01-6	Feb 2001	Cost and Performance Report for Tri-Service Site Characterization and Analysis System (SCAPS) Thermal Desorption Sampler for Volatile Organic Compounds, by K.F. Myers, J. Costanza, D.Y. Eng, R.A. Kam, K.F. Konecny, and W.M. Davis	ADA388547

ERDC/EL TR-01-7	Feb 2001	Whole-Lake Applications of Sonar™ for Selective Control of Eurasian Watermilfoil, by J.D. Getsinger, J.D. Madsen, T.J. Koschnick, M.D. Netherland, R.M. Stewart, D.R. Honnell, A.G. Staddon, and C.S. Owens	ADA388394
ERDC/EL TR-01-8	Apr 2001	Assessment of Methodologies for High-Frequency, Fine-Scaled, Spatially Referenced In Situ Data Collection and Analysis, by J.J. Hains and R.H. Kennedy	ADA391737
ERDC/EL TR-01-9	Jun 2001	Tri-Service Site Characterization and Analysis Penetrometer System (SCAPS) Validation of the Hydrosparge Volatile Organic Compound Sensor, by W.M. Davis, K.F. Myers, M.B. Wise, and C.V. Thompson	ADA392406
ERDC/EL TR-01-10	Jun 2001	Cost and Performance Report for the Tri-Service Site Characterization and Analysis Penetrometer System (SCAPS) Hydrosparge Volatile Organic Compound Sensor, by J. Costanza, K.F. Myers, and W.M. Davis	ADA393270
ERDC/EL TR-01-11	Jun 2001	Hydroacoustic Evaluation of Juvenile Salmon Passage at The Dalles Dam: 1999, by G.R. Ploskey, W.T. Nagy, L.R. Lawrence, M.E. Hanks, C.R. Schilt, P.N. Johnson, G.E. Johnson, D.S. Patterson, and J.R. Skalski	ADA393090
ERDC/EL TR-01-12	Jul 2001	Status of Freshwater Mussels in the Lower Ohio River in Relation to the Olmsted Locks and Dam Project: 1999 Studies, by B.S. Payne and A.C. Miller	ADA394314
ERDC/EL TR-01-13	Aug 2001	Landscape Metrics to Assess Habitat Suitability for Conservation Bird Species in the Southeastern United States, by L.P. Dove	ADA395103
ERDC/EL TR-01-14	Aug 2001	Integrated Electronic Data Repository to Support the South Fork of the Broad River Research Program, by L.P. Dove and S. Bong	ADA396062
ERDC/EL TR-01-15	Aug 2001	Long-Term Monitoring Program, Fort Benning, GA; Ecosystem Characterization and Monitoring Initiative, Version 2.1, by M.R. Kress	ADA395601
ERDC/EL TR-01-16	Aug 2001	Molecular Weight Distribution of the Final Products of TNT-Hydroxide Reaction, by D.R. Felt, S.L. Larson, and L.D. Hansen	ADA395988

ERDC/EL TR-01-17	Aug 2001	Kinetics of Base-Catalyzed 2,4,6-Trinitrotoluene Transformation, by D.R. Felt, S.L. Larson, and L.D. Hansen	ADA395987
ERDC/EL TR-01-18	Aug 2001	S-Tracker Survey of Sites for Long-Term Erosion/Deposition Monitoring, by C.D. Hahn, M.R. Graves, and D.L. Price	ADA396315
ERDC/EL TR-01-19	Aug 2001	Adsorption and Transformation of RDX in Low-Carbon Aquifer Soils, by C.B. Price, J.M. Brannon, S.L. Yost, and C.A. Hayes	ADA396604
ERDC/EL TR-01-20	Sep 2001	Advanced UXO Detection/Discrimination Technology Demonstration-U.S. Army Jefferson Proving Ground, Madison, Indiana, by E.R. Cespedes	ADA396147
ERDC/EL TR-01-21	Aug 2001	Analysis of CL-20 in Environmental Matrices: Water and Soil, by S.L. Larson, D.R. Felt, L. Escalon, J.D. Davis, and L.D. Hansen	ADA397427
ERDC/EL TR-01-22	Aug 2001	GIS-Assisted Spatial Data Management for Corps of Engineers Real Estate Activities, by L.P. Dove, M.R. Graves, and E. Lopez	ADA397425
ERDC/EL TR-01-23	Sep 2001	Watershed Boundaries and Relationship Between Stream Order and Watershed Morphology at Fort Benning, Georgia, by M.R. Graves	ADA397449
ERDC/EL TR-01-24	Sep 2001	Mass-Rearing <i>Hydrellia pakistanae</i> Deonier, A Biological Control Agent of <i>Hydrilla verticillata</i> (L.f.) Royle, for Release and Establishment, by J.E. Freedman, M.J. Grodowitz, A.F. Confrancesco, and R. Bare	ADA397580
ERDC/EL TR-01-25	Sep 2001	Evaluation of Toledo Harbor Dredged Material for Manufactured Soil. Phase I: Greenhouse Bench-Scale Test, by T.C. Sturgis, C.R. Lee, and H.C. Banks, Jr.	ADA398267
ERDC/EL TR-01-26	Sep 2001	An Analysis of Freshwater Mussels (Unionidae) Along Luxapalila Creek, Mississippi, 1999 Studies, by A.C. Miller	ADA399436
ERDC/EL TR-01-27	Sep 2001	Image Data Acquisition System User's Guide and Technical Documentation, by C.D. Hahn and J.R. Ballard, Jr.	ADA399452

ERDC/EL TR-01-28	Sep 2001	Design, Construction, and Operation of a Field Demonstration for In Situ Biodegradation of Vadose Zone Soils Contaminated with High Explosives, by K. Rainwater, J. Brown, C. Heintz, T. Mollhagen, and L.D. Hansen	ADA398266
ERDC/EL TR-01-29	Sep 2001	Hydrogeomorphic Approach to Assessing Wetland Functions: Guidelines for Developing Regional Guidebooks. Chapter 3, Developing A Reference Wetland System, by R.D. Smith	ADA399404
ERDC/EL TR-01-30	Sep 2001	Hydrogeomorphic Approach to Assessing Wetland Functions: Guidelines for Developing Regional Guidebooks. Chapter 4, Developing Assessment Models, by R.D. Smith and J.S. Wakeley	ADA399405
ERDC/EL TR-01-31	Sep 2001	Hydrogeomorphic Approach to Assessing Wetland Functions: Guidelines for Developing Regional Guidebooks. Chapter 7, Verifying, Field Testing, and Validating Assessment Models, by J.S. Wakeley and R.D. Smith	ADA399406
ERDC/EL TR-01-32 Vol. 1	Sep 2001	Computed-Tomography Imaging SpectroPolarimeter (CTISP) - A Passive Optical Sensor. Volume 1, Main Text and Appendix A, by H.H. Bennett, Jr., R.A. Goodson, and J.O. Curtis	ADA399665
ERDC/EL TR-01-32 Vol. 2	Sep 2001	Computed-Tomography Imaging SpectroPolarimeter (CTISP) - A Passive Optical Sensor. Volume 2, Appendix B, by H.H. Bennett, Jr., R.A. Goodson, and J.O. Curtis	ADA399664
ERDC/EL TR-01-33	Sep 2001	Development of Simulators for In Situ Remediation Evaluation, Design, and Operation: Final Report, by M.S. Dortch, C.J. McGrath, J.J. Nitao, M.A. Widdowson, and S. Yabusaki	ADA399606
ERDC/EL TR-01-34	Sep 2001	Macroinvertebrate Communities and Habitat in Luxapalila Creek, Mississippi and Alabama, by B.S. Payne, P. Smiley, and A.C. Miller	ADA399416
ERDC/EL TR-01-35	Oct 2001	Evaluation of Manufactured Soil Using Dredged Material from New York/New Jersey Harbor Newton Creek Site. Phase 1: Greenhouse Bench-Scale Test, by T.C. Sturgis, C.R. Lee, H.C. Banks, Jr., M.R. Burchell II, and K. Johnson	ADA397459

ERDC/EL TR-02-1	Jan 2002	Cost and Performance Report for Tri-Service Site Characterization and Analysis Penetrometer System (SCAPS) Membrane Interface Probe, by K.F. Myers, J. Costanza, and W.M. Davis	ADA403904
ERDC/EL TR-02-2	Mar 2002	Suspended Sediment Dynamics and Light Attenuation Characteristics in Peoria Lake, Illinois: Can Submersed Macrophyte Communities Improve Water Quality in this Shallow System?, by W.F. James. E.P.H. Best, and J.W. Barko	ADA400233
ERDC/EL TR-02-3	Mar 2002	Hydrogeomorphic Approach to Assessing Wetland Functions: Guidelines for Developing Regional Guidebooks. Chapter 1, Introduction and Overview of the Hydrogeomorphic Approach, by E.J. Clairain, Jr.	ADA401048
ERDC/EL TR-02-4	Apr 2002	A Regional Guidebook for Applying the Hydrogeomorphic Approach to Assessing Wetland Functions of Selected Regional Wetland Subclasses, Yazoo Basin, Lower Mississippi River Alluvial Valley, by R. D. Smith and C.V. Klimas	ADA401202
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¹ ERDC/EL TR-03-8	Aug 2003	Verification and Validation of the Advanced Hornet TopAttack Model (Version 2.0) With Data From Dynamic Flight Test (AP4), Fort Devens, Massachusetts, 14-22 November 2002, by J.R. Ballard, Jr., H.H. Bennett, Jr., and B.M. Sabol	ADB292274
¹ ERDC/EL TR-03-9	Aug 2003	Advanced Hornet Sublet Simulation Model TopAttack (Version 2.0), by J.R. Ballard, Jr., and B.M. Sabol	ADB292272
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¹ ERDC/EL TR-03-16	Sep 2003	Description, Verification, and Validation of a Laser Profilometer Simulation Model for the Advanced Hornet Sublet Sensor, by B.M. Sabol, J.R. Ballard, Jr., and T.A. DeMoss	ADB293068

¹ Limited distribution; see Preface.

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ERDC/EL TR-11-6	Jul 2011	A Bibliography of Selected Literature on Indirect Impacts Associated with Clean Water Act Section 404 Permits, by T.C. Wilder, W.M. Ford, and M.M. Perkins	ADA545318
ERDC/EL TR-11-7	Jul 2011	Environmental Enhancements and Navigation Infrastructure: A Study of Existing Practices, Innovative Ideas, Impediments, and Research Needs, by T.J. Fredette, C.M. Foran, S.M. Brasfield, and B.C. Suedel	ADA554943

ERDC/EL TR-11-8	Aug 2011	Water Quality And Sediment Evaluation for Inner Harbor Navigation Canal Lock Replacement Project, New Orleans, Louisiana, by G.R. Lotufo, T.J. Estes, P.R. Schroeder, J.M. Corbino, E.J. Glisch, and R.F. Mach	ADA547436
ERDC/EL TR-11-9	Aug 2011	Evaluation of Metals Release from Oxidation of Fly Ash during Dredging of the Emory River, TN, by J.A. Steevens, A.J. Bednar, M.A. Chappell, A.J. Kennedy, J.M. Seiter, J.K. Stanley, and D.E. Averett	ADA549336
ERDC/EL TR-11-10	Aug 2011	Proof-of-Concept Application of Tier 2 Modeling Approach within the Training Range Environmental Evaluation And Characterization System, by M.S. Dortch, B.E. Johnson, J.A. Gerald, Z. Zhang, and A.P. Simmons	ADA548007
ERDC/EL TR-11-11	Sep 2011	Regional Guidebook for Applying the Hydrogeomorphic Approach to Assessing the Functions of Headwater Slope Wetlands on the South Carolina Coastal Plain, by C.V. Noble, E.O. Murray, C.V. Klimas, and W. Ainslie	ADA548927
ERDC/EL TR-11-12	Sep 2011	A Regional Guidebook for Applying the Hydrogeomorphic Approach to Assessing Functions of Forested Wetlands in the Delta Region of Arkansas, Lower Mississippi River Alluvial Valley, Version 2.0, by C.V. Klimas, E.O. Murray, J. Pagan, H. Langston, and T. Foti	ADA550812
ERDC/EL TR-11-13	Oct 2011	Remote Sensing for Inland Water Quality Monitoring: A U.S. Army Corps of Engineers Perspective, by M. Reif	ADA551404
ERDC/EL TR-11-14	Oct 2011	Bayesian Networks for Modeling Dredging Decisions, by M.T. Schultz, T.D. Borrowman, and M.J. Small	ADA552536
ERDC/EL TR-11-15	Oct 2011	Evaluation of Volatilization Potential for Legacy Chlordane in Military Housing Area Soils, by S.A. Waisner, V.F. Medina, M.A. Jones, and C.C. Nestler	ADA552496
ERDC/EL TR-11-16	Oct 2011	Management of Munitions Constituents in Soil Using Alkaline Hydrolysis: A Guide for Practitioners, by J.L. Johnson, D.R. Felt, W.A. Martin, R. Britto, C.C. Nestler, and S.L. Larson	ADA552790

ERDC/EL TR-11-17	Dec 2011	Development of Methodology to Classify Historical Panchromatic Aerial Photography: Analysis of Landscape Features on Point Au Fer Island, Louisiana - from 1956 to 2009: A Case Study, by G.M. Suir, C.L. Saltus, J.B. Johnston, and J.A. Barras	ADA554145
ERDC/EL TR-12-1	Jan 2012	Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0), by U.S. Army Corps of Engineers	
ERDC/EL TR-12-2	Jan 2012	The Results of a Laboratory Feasibility Study for the Biological Treatment of Umatilla Groundwater, by V.F. Medina, H. Knotek-Smith, D. Gent, and A. Morrow	ADA556012
¹ ERDC/EL TR-12-3	Jan 2012	Validation Applications of the Training Range Environmental Evaluation and Characterization System (TREECS™), by M.S.Dortch	
ERDC/EL TR-12-4	Jan 2012	Open Burn/Open Detonation (OBOD) Area Management Using Lime For Explosives Transformation and Metals Immobilization: ESTCP Project Number ER-0742, by W.A. Martin, D.R. Felt, S.L. Larson, G.L. Fabian, and C.C. Nestler	ADA556181
ERDC/EL TR-12-5	Feb 2012	Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Hawai'i and Pacific Islands Region (Version 2.0), by U.S. Army Corps of Engineers	
ERDC/EL TR-12-6	Mar 2012	Incorporation of Chemical Contaminants into the Combined ICM/SEDZLJ Models, by C.F. Cerco	ADA557329
ERDC/EL TR-12-7	Mar 2012	Land And Forest Area Changes In The Vicinity Of The Mississippi River Gulf Outlet, Central Wetlands Region, 1935-2010, by C.L. Saltus, G.M. Suir, and J.A. Barras	ADA558171
¹ ERDC/EL TR-12-8	Mar 2012	Alternative Treatment Options for Open Burning of Explosive Waste at Holston Army Ammunition Plant, by J.L. Johnson, D.B. Gent, D.R. Felt, A.L. Thompson, S.L. Larson, B. Smolinski, and G. O'Connor	

¹ Limited distribution; see Preface.

ERDC/EL TR-12-9	Apr 2012	Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region (Version 2.0), by U.S. Army Corps of Engineers	ADA571678
ERDC/EL TR-12-10	Apr 2012	Methods to Reduce Sand Ejecta from Projectile Impact - a Scaled Study with the Goal of Application to Depleted Uranium Penetrator Catch Boxes, by V.F. Medina and S.A. Waisner	ADA559623
ERDC/EL TR-12-11	Apr 2012	Extension of Capabilities for the Tier 1 and Tier 2 Approaches within the Training Range Environmental Evaluation and Characterization System (TREECS™), by M.S. Dortch, B.E. Johnson, and J.A. Gerald	
ERDC/EL TR-12-12	May 2012	Modeling the Hydrodynamics and Water Quality of the Lower Minnesota River Using CE-QUAL-W2: A Report on the Development, Calibration, Verification, and Application of the Model, by D.L. Smith, T.L. Threadgill, and C.E. Larson	
ERDC/EL TR-12-13	Jun 2012	A Hydrogeomorphic Classification of New Mexico Wetlands, by T.C. Wilder, C.V. Noble, and J.F. Berkowitz	
ERDC/EL TR-12-14	Sep 2012	The Effect of Acid Neutralization on Analytical Results Produced from SW846 Method 8330 after the Alkaline Hydrolysis of Explosives in Soil, by S.L. Larson, D.R. Felt, S. Waisner, C.C. Nestler, C.G. Coyle, and V.F. Medina	ADA570210
ERDC/EL TR-12-15	Jul 2012	Selective Control of Eurasian Watermilfoil in Houghton Lake, Michigan: 2002-2006, by C.S. Smith, K.D. Getsinger, A.G. Poovey, W.F. James, M.D. Netherland, R.M. Stewart, M.A. Heilman, S. McNaught, A. Groves, P. Tynning, and P. Hausler	ADA571751
ERDC/EL TR-12-16	Aug 2012	User Guide for Applying the Training Range Environmental Evaluation and Characterization System (TREECS™), by J.A. Gerald, B.E. Johnson, and M.S. Dortch	ADA570374
ERDC/EL TR-12-17	Aug 2012	Combining the ICM Eutrophication Model with the SEDZLJ Sediment Transport Model, by C.F. Cerco	ADA572122

ERDC/EL TR-12-18	Aug 2012	Ecological Modeling Guide for Ecosystem Restoration and Management, by T.M. Swannack, J.C. Fischenich, and D.J. Tazik	ADA572123
ERDC/EL TR-12-19	Aug 2012	EnviroFish, Version 1.0: User's Manual, by K.J. Killgore, B. Bruchman, R. Hunt, L.Y. Lin, J.J. Hoover, D. Johnson, D. Johnson, G. Young, K. Parish, R. Goldman, and A. Casper	ADA571679
ERDC/EL TR-12-20	Aug 2012	Passive Reactive Berm to Provide Low Maintenance Lead Containment at Active Small Arms Firing Ranges: Field Demonstration, by M. Wynter, S.L. Larson, W.A. Martin, C.S. Griggs, G. O'Connor, D. Mackie, and C.C. Nestler	ADA570211
ERDC/EL TR-12-21	Aug 2012	Middle Rio Grande Bosque Ecosystem Restoration Feasibility Study Habitat Assessment Using Habitat Evaluation Procedures (HEP): Analyses, Results and Documentation, by K.A. Burks-Copes and A.C. Webb	ADA566399
ERDC/EL TR-12-22	Aug 2012	The Identification of Military Installations as Important Migratory Bird Stopover Sites and the Development of Bird Migration Forecast Models: A Radar Ornithology Approach, by R.A. Fischer, M.P. Guilfoyle, J. Valente, S.A. Gauthreaux, Jr., C.G. Belser, D.V. Blaricom, J.W. Livingston, E. Cohen, and F.R. Moore	ADA571368
ERDC/EL TR-12-23 REV.	Sep 2012 Rev. Jul 2013	Potential Natural Vegetation of the Mississippi Alluvial Valley: St. Francis Basin, Arkansas, Field Atlas, by C. Klimas, T. Foti, J. Pagan, and M. Williamson	ADA568646
ERDC/EL TR-12-24	Sep 2012	Potential Natural Vegetation of the Mississippi Alluvial Valley: Bayou Meto Basin, Arkansas, Field Atlas, by C. Klimas, T. Foti, J. Pagan, and M. Williamson	ADA565718
ERDC/EL TR-12-25	Sep 2012	Large-Scale Physical Separation of Depleted Uranium from Soil, by S.L. Larson, V.F. Medina, J. Ballard, C. Griggs, M. Wynter, D. Mackie, B. King, and C. Nestler	ADA565719
ERDC/EL TR-12-26	Sep 2012	A Bosque Riparian Community Index Model for the Middle Rio Grande, Albuquerque, New Mexico: Model Documentation, by K.A. Burks-Copes and A.C. Webb	ADA565721

ERDC/EL TR-12-27	Sep 2012	Potential Natural Vegetation of the Mississippi Alluvial Valley: Western Lowlands, Arkansas, Field Atlas, by C. Klimas, T. Foti, J. Pagan, E. Murray, and M. Williamson	
ERDC/EL TR-12-28	Sep 2012	Potential Natural Vegetation of the Mississippi Alluvial Valley: Boeuf-Tensas Basin, Arkansas, Field Atlas, by C. Klimas, T. Foti, J. Pagan, M. Williamson, and R.D. Smith	ADA568102
ERDC/EL TR-12-29	Sep 2012	Use of Activated Carbon to Control Volatilization of Organic Contaminants from the Indiana Harbor Confined Disposal Facility, by T.E. Myers, C.B. Price, D.E. Averett, and P.R. Schroeder	ADA569532
ERDC/EL TR-12-30	Dec 2012	Laboratory Study for Evaluating Performance of Unit Processes to Treat the Electrodialysis Reversal (EDR) Reject Stream for the Proposed Fort Irwin Water Treatment Plant, by V.F. Medina, S.A. Waisner, J.L. Johnson, R. Wade, J. Mattei-Sosa, and R. Brown	
ERDC/EL TR-12-31	Dec 2012	A Community-based Ecosystem Response Model for the Resacas (Oxbow Lakes) of the Lower Rio Grande: Model Documentation, by K.A. Burks-Copes and A.C. Webb	
ERDC/EL TR-12-32	Dec 2012	Preparing Inputs for New Applications of the TernCOLONY Simulation Model, by C.A. Lott, J.J. Valente, R.A. Fischer, and C.J.R. Sheppard	
ERDC/EL TR-12-33	Dec 2012	Identification of Microbial Gene Biomarkers for in situ RDX Biodegradation: Project ER-1609, by F.H. Crocker, K.J. Indest, C.M. Jung, D.E. Hancock, M.E. Merritt, C. Florizone, H.P. Chen, G.R. Stewart, S. Zhu, N. Sukdeo, M.C. Fortin, S.J. Hallam, W.W. Mohn, L.D. Eltis, N.N. Perreault, J.S. Zhao, L. Paquet, A. Halasz, and J. Hawari	ADA575880
ERDC/EL TR-13-1	Apr 2013	A Regional Guidebook for Applying the Hydrogeomorphic Approach to Assessing Wetland Functions of Forested Wetlands in Alluvial Valleys of the Coastal Plain of the Southeastern United States, by T.C. Wilder, R.D. Rheinhardt, and C.V. Noble	ADA583590

ERDC/EL TR-13-2	Mar 2013	Development of Environmental Health Criteria for Insensitive Munitions: Aquatic Ecotoxicological Exposures Using 2,4-Dinitroanisole, by A.J. Kennedy, C.D. Lounds, N.L. Melby, J.G. Laird, B. Winstead, S.M. Brasfield, and M.S. Johnson	ADA583153
ERDC/EL TR-13-3	Mar 2013	Bayou Segnette Waterway Dredged Material Placement Study Preliminary Assessment: Summary of Findings and Recommendations, by G.M. Suir, C.D. Piercy, and J.B. Johnston	ADA583151
ERDC/EL TR-13-4	Mar 2013	Science-based Framework for Environmental Benefits Assessment, by J.C. Fischenich, S.K. McKay, S.J. Miller, D. Price, B. Pruitt, L. Skaggs, B. Suedel, and D. Tazik	ADA583092
ERDC/EL TR-13-5	Apr 2013	Selective Control of Eurasian Watermilfoil and Curlyleaf Pondweed in Noxon Rapids Reservoir, Montana: Aquatic Herbicide Evaluations, 2009-2010, by K.D. Getsinger, J.G. Skogerboe, J.D. Madsen, R.M. Wersal, J.J. Nawrocki, R.J. Richardson, and M.R. Sterberg	ADA583088
ERDC/EL TR-13-6	Jun 2013	Modeling Firing Range Best Management Practices with TREECS™, by M.S. Dortch, B.E. Johnson, and J.A. Gerald	ADA582153
ERDC/EL TR-13-7	Jun 2013	Two-Dimensional (2-D) Acoustic Fish Tracking at River Mile 85, Sacramento River, California, by P.T. Sandstrom, D.L. Smith, and B. Mulvey	ADA583086
ERDC/EL TR-13-8	Jun 2013	Summary Review of the Aquatic Toxicology of Munitions Constituents, by G.R. Lotufo, G. Rosen, W. Wild, and G. Carton	ADA583083
ERDC/EL TR-13-9	Jun 2013	Propagation and Establishment of Native Plants for Vegetative Restoration of Aquatic Ecosystems, by G.O. Dick, R.M. Smart, and L.L. Dodd	ADA582960
ERDC/EL TR-13-10	Jun 2013	Characterization of Firing Range Soil from Camp Edwards, MA, and the Efficacy of Acid and Alkaline Hydrolysis for the Remediation of M1 105mm M67 Propellant, by D.B. Gent, J.L. Johnson, and I.T. Osgerby	ADA583085

ERDC/EL TR-13-11	Jun 2013	Hydrogeomorphic (HGM) Approach to Assessing Wetland Functions: Guidelines for Developing Guidebooks (Version 2), by R.D. Smith, C.V. Noble, and J.F. Berkowitz	ADA583904
ERDC/EL TR-13-12	Jun 2013	Regional Guidebook for Applying the Hydrogeomorphic Approach to Assessing the Functions of Flat and Seasonally Inundated Depression Wetlands on the Highland Rim, by C.V. Noble, T.H. Roberts, K.L. Morgan, A.J. Hill, V.S. Neary, and R.W. Cripps	ADA583076
ERDC/EL TR-13-13	Jul 2013	Phytoplankton as Particles - A New Approach to Modeling Algal Blooms, by C.F. Cerco and M.R. Noel	ADA583082
ERDC/EL TR-13-14	Jul 2013	A Regional Guidebook for Applying the Hydrogeomorphic Approach to Assessing Functions of Forested Wetlands in the Mississippi Alluvial Valley, by E.O. Murray and C.V. Klimas	ADA583077
ERDC/EL TR-13-15	Jul 2013	Clear Creek Watershed Flood Risk Management Habitat Assessments Using Habitat Evaluation Procedures (HEP): Analyses, Results and Documentation, by K.A. Burks-Copes and A.C. Webb	ADA581179
¹ ERDC/EL TR-13-16	Jul 2013	The Evaluation and Treatment Technologies for Process Wastewater Resulting from IMX-101 Production, by D.B. Gent, A. Thompson, S. Waisner, J.L. Johnson, B. Smolinski and G. O'Connor	
ERDC/EL TR-13-17	Aug 2013	Incorporating Ecosystem Goods and Services in Environmental Planning: A Literature Review of Definitions, Classification and Operational Approaches, by D.J. Tazik, J. Cushing, E. Murray, and L. Wainger	ADA584398
ERDC/EL TR-13-18	Sep 2013	A Multi-Scale Approach to Assess and Restore Ecosystems in a Watershed Context, by R.D. Smith and C.V. Klimas	ADA586174
ERDC/EL TR-13-20	Nov 2013	Evaluation of Treatment Technologies for Wastewater from Insensitive Munitions Production. Phase 1: Technology Down-Selection, by D. Felt, J.L. Johnson, S. Larson, B. Hubbard, K. Henry, C. Nestler, and J.H. Ballard	ADA592972

¹ Limited distribution; see Preface.

ERDC/EL TR-14-1	Jan 2014	Taxonomic Evaluation of Cleveland Harbor Lake Areas, by A.J. Kennedy, N.E. Harms, and J.M. Miller	ADA592183
ERDC/EL TR-14-2	Feb 2014	Hydrology Model Formulation within the Training Range Environmental Evaluation and Characterization System (TREECS™), by B.E. Johnson and M.S. Dortch	ADA597404
ERDC/EL TR-14-3	Mar 2014	Characterization of Underwater Sounds Produced by Trailing Suction Hopper Dredges During Sand Mining and Pump-out Operations, by K.J. Reine, D. Clarke, C. Dickerson, and G. Wikel	ADA597877
ERDC/EL TR-14-4	Mar 2014	Selective Control of Eurasian Watermilfoil and Curlyleaf Pondweed in Noxon Rapids Reservoir, Montana: Herbicide Small-Plot Evaluations, 2010-2011, by K.D. Getsinger, J.G. Skogerboe, R.M. Wersal, J.D. Madsen, J.J. Nawrocki, R.J. Richardson, and M.R. Sternberg	ADA601434
ERDC/EL TR-14-5	Apr 2014	Cost Analysis of Remediation Systems for Depleted Uranium, by J. Walters, J. Mackey, K. Maki, R. Northcutt, J.V. Farr, W.A. Martin, S.L. Larson, J.H. Ballard, and C. Nestler	ADA599275
ERDC/EL TR-14-6	Apr 2014	Development of Landscape Metrics to Support Process-Driven Ecological Modeling, by M.K. Reif and T.M. Swannack	ADA599506
ERDC/EL TR-14-7	Apr 2014	Validating the Operational Draft Regional Guidebook for the Functional Assessment of High-Gradient Ephemeral and Intermittent Headwater Streams in Western West Virginia and Eastern Kentucky, by C.V. Noble, E.A. Summers, and J.F. Berkowitz	ADA602324
ERDC/EL TR-14-8	Apr 2014	SAVEWS Jr. User's Manual, Version 1.0, by B. Sabol, E. Melton, D. Shafer, J. Jarvis, S. Evert, and R. Loyd	ADA599307
¹ ERDC/EL TR-14-9	Jul 2014	Treatment of Iowa Army Ammunition Plant Wastewater from Insensitive Munitions Production Phase 2. Evaluation of Candidate Technologies, by D. Felt, J.L. Johnson, S. Waisner, S. Larson, B. Hubbard, K. Henry, C. Nestler, and J.H. Ballard	

¹ Limited distribution; see Preface.

ERDC/EL TR-14-10	Jul 2014	Fisheries Resource Utilization of an Estuarine Borrow Pit in Mobile Bay, Alabama, by K.J. Reine, D.G. Clarke, and G.L. Ray	ADA606028
ERDC/EL TR-14-11	Aug 2014	Economical Treatment of Dredged Material to Facilitate Beneficial Use, by T.J. Estes and C.J. McGrath	ADA608601
ERDC/EL TR-14-12	Nov 2014	Assessing Impacts of Navigation Dredging on Atlantic Sturgeon (<i>Acipenser oxyrinchus</i>), by K. Reine, D. Clarke, M. Balzaik, S. O'Haire, C. Dickerson, C. Frederickson, G. Garman, C. Hager, A. Spells, and C. Turner	ADA611655
ERDC/EL TR-14-13	Nov 2014	Calculation of Oyster Benefits with a Bioenergetics Model of the Virginia Oyster, by C.F. Cerco	ADA611656
¹ ERDC/EL TR-14-14	Dec 2014	Life Cycle Cost Models for IMX Wastewater Treatment, by P.M. Fugate, E.T. Gill, G.A. Hamilton, R.M. Jolly, J.V. Farr, S.L. Larson, J.L. Johnson, D.R. Felt, C.C. Nestler, and J.H. Ballard	
ERDC/EL TR-15-1	Apr 2015	Sediment Resuspension by Ship Traffic in Newark Bay, New Jersey, by D. Clarke, K.J. Reine, C. Dickerson, C. Alcoba, J. Gallo, B. Wisemiller, and S. Zappala	ADA615348
¹ ERDC/EL TR-15-2	Apr 2015	Engineering Analysis for Nitrate Removal from Explosive Production and Facility Operations Wastewater at Iowa Army Ammunition Plant (IAAAP), by D. Felt, J. Johnson, S. Larson, R. Wade, R. Hudson, D. Flynn, K. Henry, C. Nestler and J. Ballard	
¹ ERDC/EL TR-15-3	Apr 2015	Evaluation and Treatment Technologies for Wastewater from Production of Insensitive Munitions: Pilot Plant Development and Demonstration, by J.L. Johnson, D. Felt, S. Larson, B. Hubbard, K. Henry, J. Ballard, and C. Nestler	
ERDC/EL TR-15-4	May 2015	Development of a Scalable Process Control System for Chemical Soil Washing to Remove Uranyl Oxide, by J.P. McCown, R.J. Unz, C.A. Waggoner, J.H. Ballard, S.L. Larson, and P. Arienti	ADA618135

¹ Limited distribution; see Preface.

ERDC/EL TR-15-5	Jun 2015	Characterization of Suspended Sediment Plumes Resulting from Barge Decanting in San Francisco Bay, by K.J. Reine and P.R. Schroeder	ADA620009
ERDC/EL TR-15-6	Jul 2015	Evaluation of Eurasian Watermilfoil Control Techniques Using Aquatic Herbicides in Fort Peck Lake, Montana, by T.G. Pennington, K.D. Getsinger, J.G. Skogerboe, and P.L. Gilbert	ADA619009
ERDC/EL TR-15-7	Jul 2015	Modules for Modeling Firing Range Best Management Practices within TREECS™, by M.S. Dortch and J.A. Gerald	ADA621373
ERDC/EL TR-15-8	Jul 2015	Kinetics Formulations for ICM-Lite: A Tool to Predict and Quantify Ecosystem Benefits in Aquatic Systems, by C.F. Cerco	ADA621372
ERDC/EL TR-15-9	Jul 2015	Zebra Mussel Chemical Control Guide: Version 2.0, by L.M. Glomski	ADA621371
ERDC/EL TR-15-10	Jul 2015	Review of Dredging Elutriate Application Factors: Relevance to Acute-to-Chronic Protection, Contaminant, and Endpoint Specificity, by A.J. Kennedy, G.R. Lotufo, and J.A. Steevens	ADA621370
¹ ERDC/EL TR-15-11	Nov 2015	Treatment of Wastewater from Production of Insensitive Munitions: Solids Removal in IMX Load and Pack Process Water: Technology and Cost-Optimization, by J.L. Johnson, D. Felt, S. Larson, L. Gurtowski, B. Hubbard, D. Flynn, J. Ballard, and C. Nestler	
ERDC/EL TR-15-12	Dec 2015	Regional Guidebook for the Functional Assessment of Organic Flats, Slopes, and Depressional Wetlands in the Northcentral and Northeast Region, by U.S. Army Corps of Engineers	

¹ Limited distribution; see Preface.

6 Geospatial Research Laboratory (GRL)¹

Technical reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/GRL TR-14-1	Aug 2014	Creating Orthographically Rectified Satellite Multi-Spectral Imagery with High Resolution Digital Elevation Model from LiDAR: A Tutorial, by R.O. Brown	ADA610394

¹ See also Topographic Engineering Laboratory.

7 Geotechnical and Structures Laboratory (GSL)¹

Contract reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
² ERDC/GSL CR-07-1	Jul 2007	Effect of Equation of State on Hydroplus Yield Estimates for Contained Explosions in Frozen Rocks: Report 4, Simulation of Flyer-Plate-Impact Experiments In Dry, Saturated, and Frozen-Saturated Salem Limestone, by H.D. Zimmerman, J.A. Carney, S.H. Schuster, and Y.M. Ito	ADB330022
² ERDC/GSL CR-07-2	Aug 2007	Effects of Porosity and RMQ on Explosive-Induced Ground Shock in Dry and Saturated Shale, Sandstone, and Granite (CD-ROM), by H.D. Zimmerman and R.T. Shimano	ADB322539

Handbooks

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
² ERDC/GSL FH-11-1	Apr 2011	Route Remediation Handbook: Repairing Improvised Explosive Device Craters, by V. Pratt, L. Priddy, and J.S. Tingle
ERDC/GSL FH-11-2	Oct 2011	Inspector's Handbook: Hot Mix Asphalt Construction, by R. Brown, V. Pratt, and J.S. Tingle

Letter reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
² ERDC/GSL LR-07-1	Jul 2007	Performance Validation of CENTCOM Contingency Standard Roof Designs Exposed to Indirect Fire Weapons' Effects, by M.J. Roth, R.D. Stinson, W.F. Heard, E.J. Conrath, and J.M. Rea

¹ See also Geotechnical Laboratory. See also Structures Laboratory.

² Limited distribution; see Preface.

Special reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
¹ ERDC/GSL SR-00-1	Nov 2000	Airfield Pavement Evaluation, Hood Army Airfield, Fort Hood, Texas, by P.S. McCaffrey, Jr., and R.W. Grau	ADB262389
¹ ERDC/GSL SR-00-2	Dec 2000	Airfield Pavement Evaluation, Robert Gray Army Airfield, Fort Hood, Texas, by R.W. Grau	ADB263209
¹ ERDC/GSL SR-01-1	May 2001	Airfield Pavement Evaluation, Davison Army Airfield, Fort Belvoir, Virginia, by R.W. Grau and P.S. McCaffrey	ADB268395
¹ ERDC/GSL SR-01-2	Jul 2001	Airfield Pavement Evaluation, Waynesville Regional Airport at Forney Field, Fort Leonard Wood, Missouri, by R.W. Grau and P.S. McCaffrey, Jr.	ADB270798
¹ ERDC/GSL SR-01-3	Dec 2001	Airfield Pavement Evaluation, Sherman Army Airfield, Fort Leavenworth, Kansas, by R.W. Grau and P.S. McCaffrey, Jr.	ADB277642
¹ ERDC/GSL SR-02-1	Feb 2002	Airfield Pavement Evaluation, Lawson Army Airfield, Fort Benning, Georgia, by R.W. Grau and P.S. McCaffrey, Jr.	ADB277685
¹ ERDC/GSL SR-02-2	Mar 2002	Airfield Pavement Condition Survey, Sabre Army Heliport, Fort Campbell, Kentucky, by P.S. McCaffrey, Jr.	ADB278514
¹ ERDC/GSL SR-02-3	Jul 2002	Airfield Pavement Evaluation, Laguna Army Airfield, Yuma Proving Ground, Arizona, by R.W. Grau and P.S. McCaffrey, Jr.	ADB282389
¹ ERDC/GSL SR-02-4	Aug 2002	Airfield Pavement Evaluation, Gray Army Airfield, Fort Lewis, Washington, by R.W. Grau, P.S. McCaffrey, Jr., and D.D. Mathews	ADB284116
¹ ERDC/GSL SR-02-5	Nov 2002	Airfield Pavement Evaluation, Libby Army Airfield, Fort Huachuca, Arizona, by R.W. Grau, P.S. McCaffrey, Jr., and D.D. Mathews	ADB284999
¹ ERDC/GSL SR-02-6	Dec 2002	Airfield Pavement Evaluation, Marshall Army Airfield, Fort Riley, Kansas, by P.S. McCaffrey, Jr.	ADB285665
¹ ERDC/GSL SR-03-1	Feb 2003	Airfield Pavement Evaluation, Biggs Army Airfield, Fort Bliss, Texas, by R.W. Grau and P.S. McCaffrey, Jr.	ADB287182
ERDC/GSL SR-03-2	Mar 2003	Evaluation of Runway Preservation System, by J.E. Shoenberger and J.K. Newman	ADA412952

¹ Limited distribution; see Preface.

¹ ERDC/GSL SR-03-3	Apr 2003	Airfield Pavement Evaluation, Butts Army Airfield, Fort Carson, Colorado, by R.W. Grau, P.S. McCaffrey, Jr., and D.D. Mathews	ADB288487
¹ ERDC/GSL SR-03-4	Apr 2003	Airfield Pavement Evaluation, Dyess Army Airfield, Roi-Namur, Kwajalein Atoll, Marshall Islands, by L.D. Phillips, P.S. McCaffrey, Jr., and D.D. Mathews	ADB288637
¹ ERDC/GSL SR-03-5	May 2003	Airfield Pavement Evaluation, Bucholz Army Airfield, Kwajalein Atoll, Marshall Islands, by R.W. Grau and P.S. McCaffrey, Jr.	ADB288714
¹ ERDC/GSL SR-03-6	Jul 2003	Airfield Pavement Evaluation, Volk Field, Air National Guard, Camp Douglas, Wisconsin, by L.D. Phillips and R.W. Grau	ADB291363
¹ ERDC/GSL SR-03-7	Aug 2003	Airfield Pavement Condition Survey, Simmons Army Airfield, Fort Bragg, North Carolina, by L.D. Phillips and R.W. Grau	ADB292698
¹ ERDC/GSL SR-03-8	Aug 2003	Airfield Pavement Evaluation, Polk Army Airfield, Fort Polk, Louisiana, by P.S. McCaffrey, Jr.	ADB292810
¹ ERDC/GSL SR-03-9	Dec 2003	Airfield Pavement Evaluation, Amedee Army Airfield, Sierra Army Depot, California, by P.S. McCaffrey, Jr.	ADB296355
¹ ERDC/GSL SR-03-10	Dec 2003	Airfield Pavement Evaluation, Felker Army Airfield, Fort Eustis, Virginia, by R.W. Grau	ADB296819
¹ ERDC/GSL SR-04-1	Feb 2004	Airfield Pavement Evaluation, Allen Army Airfield, Fort Greely, Alaska, by T.S. Nguyen and P.S. McCaffrey, Jr.	ADB298005
¹ ERDC/GSL SR-04-2	Feb 2004	Airfield Pavement Condition Survey, Mackall Army Airfield, Fort Bragg, North Carolina, by R.W. Grau	ADB298009
¹ ERDC/GSL SR-04-3	May 2004	Airfield Pavement Evaluation, Los Alamitos Army Airfield, Los Alamitos, California, by A.A. Stewart and L.D. Phillips	ADB300829
¹ ERDC/GSL SR-04-4	Sep 2004	Airfield Pavement Evaluation, Hunter Army Airfield, Fort Stewart, Georgia, by P.S. McCaffrey, Jr.	ADB303935
¹ ERDC/GSL SR-04-5	Sep 2004	Airfield Pavement Evaluation, Camp Guernsey Army Airfield, Guernsey, Wyoming, by T.S. Nguyen and D.D. Mathews	ADB303934
¹ ERDC/GSL SR-05-1	Jan 2005	Airfield Pavement Evaluation, Campbell Army Airfield, Fort Campbell, Kentucky, by R.W. Grau	ADB306926

¹ Limited distribution; see Preface.

¹ ERDC/GSL SR-05-2	Jul 2005	Airfield Pavement Evaluation, Wainwright Army Airfield, Fort Wainwright, Alaska, by H.M. Parsons and D.D. Mathews	ADB312342
¹ ERDC/GSL SR-05-3	Jul 2005	Airfield Pavement Evaluation, Blackstone Army Airfield, Fort Pickett, Virginia, by C.A. Gartrell and P.S. McCaffrey, Jr.	ADB312049
¹ ERDC/GSL SR-05-4	Aug 2005	Airfield Pavement Evaluation, Wheeler-Sack Army Airfield, Fort Drum, New York, by S.R. Jersey	ADB312343
¹ ERDC/GSL SR-05-5	Sep 2005	Airfield Pavement Condition Survey, Davison Army Airfield, Fort Belvoir, Virginia, by H.M. Parsons	
¹ ERDC/GSL SR-05-6	Sep 2005	Airfield Pavement Evaluation, Gray Army Airfield, Fort Lewis, Washington, by R.W. Grau	
¹ ERDC/GSL SR-05-7	Sep 2005	Airfield Pavement Evaluation, Redstone Army Airfield, Redstone Arsenal, Huntsville, Alabama, by H.M. Parsons and D.D. Mathews	
¹ ERDC/GSL SR-05-8	Sep 2005	Airfield Pavement Condition Survey, Sherman Army Airfield, Fort Leavenworth, Kansas, by H.M. Parsons and L. Edwards	
¹ ERDC/GSL SR-05-9	Nov 2005	Airfield Pavement Evaluation, Selah Creek Airstrip and Vagabond Army Airfield, Yakima Firing Center, Washington, by E.M. Velez-Vega and D.D. Mathews	ADB314797
ERDC/GSL SR-05-10	Dec 2005	Airfield Pavement Evaluation, Phillips Army Airfield, Aberdeen Proving Ground, Maryland, by L.D. Phillips	
¹ ERDC/GSL SR-06-1	Feb 2006	Airfield Pavement Evaluation, Henry Post Army Airfield, Fort Sill, Oklahoma, by L.D. Phillips	
¹ ERDC/GSL SR-06-2	Jul 2006	Airfield Pavement Evaluation, A-511, Camp Humphreys, Pyongtaek, Korea, by L.D. Phillips and M. Crawford	
¹ ERDC/GSL SR-06-3	Jul 2006	Airfield Pavement Condition Survey, Hood Army Airfield, Fort Hood, Texas, by V.M. Moore	
¹ ERDC/GSL SR-06-4	Jul 2006	Airfield Pavement Evaluation, Lawson Army Airfield, Fort Benning, Georgia, by T.W. Rushing	
¹ ERDC/GSL SR-06-5	Aug 2006	Airfield Pavement Evaluation Survey, Robert Gray Army Airfield, Fort Hood, Texas, by J.A. Harrison	
¹ ERDC/GSL SR-06-6	Sep 2006	Airfield Pavement Condition Survey, Butts Army Airfield, Fort Carson, Colorado, by H.M. Parsons	

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ERDC/GSL SR-06-7	Oct 2006	Dust Control Field Handbook: Standard Practices for Mitigating Dust on Helipads, Lines of Communication, Airfields, and Base Camps, by J.F. Rushing and J.S. Tingle	
¹ ERDC/GSL SR-06-8	Dec 2006	Airfield Pavement Evaluation, Lowe Army Heliport, Fort Rucker, Alabama, by H.M. Parsons and C.T. Bradley	
ERDC/GSL SR-06-9	Dec 2006	Operating the Portable Seismic Pavement Analyzer, by H.P. Bell	ADA461413
¹ ERDC/GSL SR-07-1	Jan 2007	Airfield Pavement Evaluation, Godman Army Airfield, Fort Knox, Kentucky, by T.W. Rushing	
¹ ERDC/GSL SR-07-2	Jan 2007	Airfield Pavement Evaluation, Bryant Army Airfield, Fort Richardson, Anchorage, Alaska, by R.S. Walker	
¹ ERDC/GSL SR-07-3	Jan 2007	Airfield Pavement Evaluation, Cairns Army Airfield, Fort Rucker, Alabama, by T.V. Jobe and T.J. McCaffrey	
ERDC/GSL SR-07-4	Sep 2007	Evaluation of Stone-Monument Repair Materials for Potential Use in Interim Repair of Frost-Damaged Concrete Navigation Structures, by T.S. Poole and E.F. O'Neil	
ERDC/GSL SR-09-1	Feb 2009	The Spring 2008 Midwest Flood: Observations of Missouri and Iowa Levee Breaches, 21-23 July 2008, by J.R. Kelley, N. Vroman, C. Groves, L. Harder, and G. Sills	
ERDC/GSL SR-09-2	Feb 2009	Classification Systems for Earthen Levees: A Worldwide Review, by L.D. Wakeley and J.B. Dunbar	
ERDC/GSL SR-09-3	Apr 2009	Constitutive Analysis of Polyurethane Foam Composite Mixtures: A Literature Review, by L.P. Priddy and W.D. Hodo	
ERDC/GSL SR-09-4	Sep 2009	Cavity Expansion Experiments with Spherical Explosive Charges in Concrete, by J.K. Gran, J.Q. Ehrgott, Jr., and J.D. Cargile	ADA508554
¹ ERDC/GSL SR-09-5	Sep 2009	Typical Construction Practices and Material Properties in Southwest Asia, by S.T. Montgomery and C.B. Blount	
¹ ERDC/GSL SR-09-6	Sep 2009	Force Protection/Vulnerability Assessment (FPVA) Tools Survey, by S.T. Montgomery and B.M. Garton	

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ERDC/GSL SR-09-7	Sep 2009	Evaluation of Lattice Block Structure (LBS) Mat Strength and Deformation Behavior, by A.J. Falls and T.W. Rushing	
ERDC/GSL SR-10-1	Feb 2010	Long-Term Performance Evaluation of Asphalt Surface Treatments: Product Placement, by J.F. Rushing and A.J. Falls	ADA529159
ERDC/GSL SR-10-2	Jul 2010	A Literature Review of Processes for Gravel Deposit Identification in the Lower Mississippi River, by D.S. Biedenharn and M.K. Corcoran	ADA526307
¹ ERDC/GSL SR-10-3 Rep. 1	Dec 2010	Border Tunneling Activity Detection System-Point (BTADS-P): Report 1: Operations and Maintenance Manual, by S.L. McComas, J.R. McKenna, M. Mattice, A.P. Lester, S.W. Broadfoot, M.H. McKenna, L.J. Perren, K.B. Parkman, S.D. Sloan, and R. McNeil	
¹ ERDC/GSL SR-10-3 Rep. 2	Sep 2011	Border Tunneling Activity Detection System-Point (BTADS-P): Report 2: Training Manual for Analysis Operations Center (AOC) Watches, by S. McComas, J. McKenna, M. Mattice, and R. McNeil	
¹ ERDC/GSL SR-10-4	Sep 2010	ATPlanner-Dams User's Guide, by W.M. Hossley, L.K. Davis, Y. Seda-Sanabria, and E.E. Matheu	
ERDC/GSL SR-11-1	Aug 2011	Ultra High Performance Concrete Information and Literature Search - 2011: (UHPC I&LS-2011), by B.P. DiPaolo	
¹ ERDC/GSL SR-13-1	Aug 2013	High-Strength and Ultra-High Performance Concrete Test Panel Development, Coalition Warfare Study, by B.H. Green, W.S. Hart, R.A. Andreatta, K.E. Walker, B.H. Sherwin, J.A. Morson, M.E. Mann, and D.A. Scott	ADB391681
ERDC/GSL SR-13-2	Aug 2013	Procedures for One-Pass Vehicle Cone Index (VCI1) Determination for Acquisition Support, by M.T. Stevens, B.W. Towne, G.L. Mason, J.D. Priddy, J.E. Osorio, and C.A. Barela	ADA585813
ERDC/GSL SR-14-1	Apr 2014	Levels of Autonomy and Autonomous System Performance Assessment for Intelligent Unmanned Systems, by P.J. Durst and W. Gray	ADA601656
¹ ERDC/GSL SR-14-2	Jul 2014	NATO Reference Mobility Model Terrain Dataset Geostatistics, by E.A. Baylot, G.M. Brandon, M.T. Stevens, J.G. Green, and J.A. Patterson	

¹ Limited distribution; see Preface.

ERDC/GSL SR-15-1	Jul 2015	Sample Preparation of Nano-sized Inorganic Materials for Scanning Electron Microscopy or Transmission Electron Microscopy: Scientific Operating Procedure SOP-P-2, by C.A. Weiss, Jr., and R.D. Moser	ADA621448
ERDC/GSL SR-15-2	Jul 2015	State-of-Practice on the Dynamic Response of Structures Strengthened with Fiber Reinforced Polymers (FRPs), by E. Pabon, Y. Otero, F.J. Acosta, R.D. Moser, C.K. Crane, and B.H. Green	ADA621492

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<u>Report Number</u>	<u>Date</u>	<u>Title</u>	
¹ ERDC/GSL TN-08-1	Sep 2008	Lagrangian Computational Approaches for Interactions Among Explosives, Soils, Air, and Structures, by C.A. Gerlach and G.R. Johnson	
¹ ERDC/GSL TN-09-1	Feb 2009	Development of Advanced Computational Approaches for Explosive-Soil-Air-Structure Interactions, Fragmentation, and Shaped Charges, by C.A. Gerlach and G.R. Johnson	
¹ ERDC/GSL TN-10-1	Aug 2010	An Investigation of UHPC/RPC Materials for Enhanced Penetration Resistance, by B.P. DiPaolo, B.H. Green, R.N. Boone, and R.E. Magee	
ERDC/GSL TN-14-1	Aug 2014	Electromagnetic Induction Survey of the Mississippi River in Cleveland, Mississippi, by J.B. Dunbar and M.K. Corcoran	
ERDC/GSL TN-14-2	Aug 2014	Review of Instrumentation and Monitoring for USACE Levees, by J.B. Dunbar, G. Galan-Comas, L.A. Walshire, R.E. Wahl, D. Yule, M.K. Corcoran, J. Llopis, and A.L. Bufkin	
ERDC/GSL TN-14-3	Nov 2014	Discussions on Laboratory Testing of Backwards Erosion Piping of Soil: An Interview with John H. Schmertmann and Frank C. Townsend, by B.A. Robbins	

Technical reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/GSL TR-00-1	Nov 2000	Overview of Current Prestressing Technology in Offshore Structures, by S.X. Yao, B.C. Gerwick, and D.E. Berner	ADA387301

¹ Limited distribution; see Preface.

ERDC/GSL TR-00-2	Nov 2000	Assessment of Heavy-Lift Equipment for In-the-Wet Construction of Navigation Structures, by B.C. Gerwick, S.X. Yao, D.E. Berner, and R.R. Bittner	ADA389095
¹ ERDC/GSL TR-00-3	Dec 2000	Tunnel Closure by Explosive Demolition, by L.K. Davis	ADB264018
ERDC/GSL TR-00-4	Dec 2000	Determination of Rock Mass Rating and Deformation Moduli - 14 Cross Sections of Portugues Dam Foundation - December 1999, by M.E. Glynn, J.L. Wibowo, J.B. Warriner, and G.A. Nicholson	ADA387616
ERDC/GSL TR-00-5	Dec 2000	Assessment of Microgravimetry for UXO Detection and Discrimination, by D.K. Butler	ADA387603
¹ ERDC/GSL TR-01-1	Mar 2001	Results for Multiple-Detonation, Small-Scale Experiments (Collateral Expulsion Experiments), Chemical Simulant (TEP) Series, Tests MB1-MB10, and Biological Simulant (BT) Series, Tests MB11-MB15 in Support of the Collateral Effects Environment Program. By P.W. Graham, V.P. Chiarito, D. Moore, and G.E. Albritton	ADB266252
¹ ERDC/GSL TR-01-2	Mar 2001	BlastX Code, Version 4.2, User's Manual, by J.R. Britt, D.E. Ranta, and C.E. Joachim	ADB265626
ERDC/GSL TR-01-3	Mar 2001	Development of a Granular Media Model for Finite Element Analysis, by D.M. Smith, J.F. Peters, and R.S. Rollings	ADA389345
¹ ERDC/GSL TR-01-4	Mar 2001	Experimental Results for Multiple-Detonation, Small-Scale Experiments, Tests MB16A-MB21 (Concrete Responding Wall and Adjacent Room Container Spillage Series) in Support of the Collateral Effects Environment Program, by P.W. Graham, V.P. Chiarito, and G.E. Albritton	ADB268158
¹ ERDC/GSL TR-01-5	Mar 2001	Mobility Comparison Evaluation of a U.S. Heavy Equipment Transporter System (HETS, M1070/M1000) and a Modified HETS Equipped with a Sand Mobility Enhancement Kit (SMEK), by D.W. Moore	ADB268207
ERDC/GSL TR-01-6	May 2001	Dynamic Response of Brittle Materials from Penetration and Split Hopkinson Pressure Bar Experiments, by D.J. Frew	ADA393003
ERDC/GSL TR-01-7	May 2001	Expedient Road Construction Over Soft Soils, by R.L. Santoni, C.J. Smith, J.S. Tingle, and S.L. Webster	ADA393001

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ERDC/GSL TR-01-8	Aug 2001	Convex Watershed-Reservoir Model for Risk Assessment of Spillways and Nonoverflow Dam Monoliths Subjected to Flood Hazard, by L.A. de Bejar	ADA394434
¹ ERDC/GSL TR-01-9	Sep 2001	Small-Scale Structure-Medium-Interaction Experiments: Experiment 4 Test Results, by B.R. Phillips, J.E. Windham, and D.R. Rickman	ADB271022
ERDC/GSL TR-01-10	Aug 2001	Locating And Characterizing Unexploded Ordnance Using Time Domain Electromagnetic Induction, by L.R. Paison and D.W. Oldenburg	ADA394435
ERDC/GSL TR-01-11	Aug 2001	Falling-Weight Deflectometer Study: Optimizing the Number of Replicates and the Spacing of Test Stations, by R.B. Freeman and D.R. Alexander	ADA395725
ERDC/GSL TR-01-12	Aug 2001	Use of Ground Penetrating Radar for Locating Contraband Aboard Ocean Going Vessels: Feasibility Study, by J.L. Llopis and J. Simms	ADA395692
ERDC/GSL TR-01-13	Aug 2001	Hydrogeology of Proposed Harbor Site at Head of Akutan Bay, Akutan Island, Alaska, by J.B. Dunbar, M.K. Corcoran, and W.L. Murphy	ADA395644
¹ ERDC/GSL TR-01-14	Aug 2001	Geophysical Surveys at Camp Eagle and Camp Page, Republic of Korea, by J.L. Llopis and C.R. Malone	ADB271929
ERDC/GSL TR-01-15	Aug 2001	Material Properties and Characteristics for Development of an Expert System for Coal-Tar Sealers, by J.E. Shoenberger	ADA398867
ERDC/GSL TR-01-16	Aug 2001	Application of Wavelet Analysis to Logistics Test Vehicle Ride Experiment Results, by A.W. Harrell, C. Grey, and W. Willoughby	ADA396792
¹ ERDC/GSL TR-01-17	Sep 2001	Experimental Results for 1/6-Scale High Temperature Incendiary (HTI) and High Explosive (HE) Dry Biological Simulant (BT) Tests in Light-Steel Buildings in Support of the Collateral Effects Environment Program, by V.P. Chiarito, P.W. Ggraham, and G.E. Albritton	ADB272942
ERDC/GSL TR-01-18	Sep 2001	Quantity Distances for Ammunition in ISO Containers, by L.K. Davis and M.B. Ford	ADA398611
ERDC/GSL TR-01-19	Sep 2001	Basin F Subregional Groundwater Model, by E. Mazion, Jr., J.H. May, B. Abraham, and M.K. Corcoran	ADA399450

¹ Limited distribution; see Preface.

¹ ERDC/GSL TR-01-20	Oct 2001	Expedient Airfield Construction Using the Computer-Aided Earthmoving System, by J.S. Tingle and T.A. Mann	ADB274501
ERDC/GSL TR-01-21	Oct 2001	A Standards-Based Movement and Infrastructure Aggregation Methodology for Mobility Representation in Modeling and Simulation, by G.B. McKinley, N.C. Deliman, T.C. Falls, and L.S. Bunch	ADA397514
ERDC/GSL TR-01-22	Oct 2001	Short-Term Operational Forecasts of Trafficability, by G. Mason, R. Ahlvin, and J. Green	ADA401205
¹ ERDC/GSL TR-01-23	Dec 2001	Mobility Evaluation of British King GTS100 Heavy Equipment Transporter (HET) Semi-Trailer and Foreign HET Project Summary, by D.W. Moore and R.N. Tennant	ADB277653
ERDC/GSL TR-01-24	Dec 2001	Underwater Geotechnical Foundations, by L.T. Lee, Jr., and R.W. Peterson	ADA402418
¹ ERDC/GSL TR-02-1	Jan 2002	Camouflage, Concealment, and Deception (CCD) Concept Initiation Study in Support of Advanced Concept Technology Demonstrations (ACTDs), by R.W. Williams and A. Bevilacqua	ADB277682
ERDC/GSL TR-02-4	Mar 2002	Rapid Strengthening of Reinforced Concrete Beams with Mechanically Fastened, Fiber-Reinforced Polymeric Composite Materials, by L.C. Bank, A.J. Lamanna, J.C. Ray, and G.I. Velazquez	ADA400415
¹ ERDC/GSL TR-02-5	Mar 2002	Site Documentation: Führungsbunker bei Schwepnitz, Königsbruch, Germany, by L.K. Davis	ADB278518
¹ ERDC/GSL TR-02-6	Apr 2002	Experimental Results of Scaled DE169 Tests Using Wet Biological Simulant (BT) in Light-Steel Buildings in Support of the Collateral Effects Environment Program, by P.W. Graham, V.P. Chiarito, E.N. Adcock, and G.E. Albritton	ADB279667
¹ ERDC/GSL TR-02-7	May 2002	Multiple-Fragment Impact Experiments on Reinforced Concrete Slabs, by F.D. Dallriva and J.L. Davis	ADB281022
ERDC/GSL TR-02-8	May 2002	Installation of Fiber-Optic Cables Under Flood-Protection Structures Using Horizontal Directional Drilling Techniques, by P.J. Conroy, C.A. Latorre, and L.D. Wakeley	ADA404033

¹ Limited distribution; see Preface.

ERDC/GSL TR-02-9	Jun 2002	Guidelines for Installation of Utilities Beneath Corps of Engineers Levees Using Horizontal Directional Drilling, by C.A. Latorre, L.D. Wakeley, and P.J. Conroy	ADA403684
¹ ERDC/GSL TR-02-10	Jun 2002	Development of Algorithms for Dual Delivery Problems, by M.D. Adley, B. Rohani, J.D. Cargile, and R.P. Berger	ADB282392
ERDC/GSL TR-02-11	Jul 2002	Lateral Load Distribution Factors for Military Vehicles on Multi-Girder Bridges, by J.C. Pinero, M.P. Singh, and J.C. Ray	ADA404604
ERDC/GSL TR-02-12	Jul 2002	Rapid Strengthening of Full-Sized Concrete Beams with Powder-Actuated Fastening Systems and Fiber-Reinforced Polymer (FRP) Composite Materials, by L.C. Bank, D.T. Borowicz, A.J. Lamanna, J.C. Ray, and G.I. Velazquez	ADA405701
ERDC/GSL TR-02-13	Aug 2002	Guide for the Use of Low-Density Concrete in Civil Works Projects, by G.C. Hoff	ADA406634
¹ ERDC/GSL TR-02-14	Jul 2002	Lightweight Steel-Deck Roof System - Blast-Response Evaluation, by D.R. Coltharp, L. Simmons, J.T. Baylot, D.D. Bogosian, B. Dunn, and J.M. Watt, Jr.	ADB282549
ERDC/GSL TR-02-15	Aug 2002	Technical Commentary on FM3-34.343, "Military Nonstandard Fixed Bridging", by J.C. Ray and Y. Seda-Sanabria	ADA408337
ERDC/GSL TR-02-16	Sep 2002	Discrimination and Identification of UXO by Geophysical Inversion of Total-Field Magnetic Data, by S.D. Billings, L.R. Pasion, and D.W. Oldenburg	ADA407658
ERDC/GSL TR-02-17	Sep 2002	Methodology for Mobility Tactical Decision Aids Incorporated in the Joint Mapping Tool Kit, by G.B. McKinley, B.T. Webb, and D.A. Horner	
¹ ERDC/GSL TR-02-18	Sep 2002	Fabric Retrofits of Concrete Masonry Exterior Walls - Blast Response Evaluation. (U.S./Israeli 1998 Series, "Divine Camel", Test 3), by R.J. Dinan, D.R. Coltharp, P.T. Townsend, and J.M. Watt, Jr.	ADB284702
ERDC/GSL TR-02-19	Sep 2002	Performance of Levee Underseepage Controls: A Critical Review, by T.F. Wolff	ADA408143
¹ ERDC/GSL TR-02-20	Oct 2002	Exterior Building Wall Retrofits - Weapon Fragment Penetration Evaluation; U.S./Israeli 2000 Test-Series, by R.J. Dinan, D.R. Coltharp, P.T. Townsend, and J.M. Watt, Jr.	ADB285614

¹ Limited distribution; see Preface.

ERDC/GSL TR-02-21	Nov 2002	Procedure for Categorizing Ground Vehicles, by E.A. Baylot and B.Q. Gates	ADA408852
ERDC/GSL TR-02-22	Dec 2002	Positioning Systems for Float-In and Lift-In Construction in Inland Waterways, by S.X. Yao and B.C. Gerwick	ADA409535
ERDC/GSL TR-03-1	Feb 2003	Rejuvenators, Rejuvenator/Sealers, and Seal Coats for Airfield Pavements, by J.E. Shoenberger	ADA412361
¹ ERDC/GSL TR-03-2	Feb 2003	Methodology and User's Guide for PENCURV +: Version 1.0, by M.D. Adley, R.P. Berger, J.D. Cargile, and D.D. Boswell	ADB287716
¹ ERDC/GSL TR-03-3	Feb 2003	Experimental Results for Small-Scale Tests 96 Through 104B: Chemical Simulant Evaluations and Calibration Tests Cal-1 Through Cal-12, by P.W. Graham and G.E. Albritton	ADB287800
¹ ERDC/GSL TR-03-4	May 2003	Experimental Results for Laboratory Expulsion Tests 52 through 59 and Repeat Tests 32B, 32C, 34B, and 41B (Chemical Test Series) in Support of the Collateral Effects Environment Program, by V.P. Chiarito, P.W. Graham, and G.E. Albritton	ADB290838
ERDC/GSL TR-03-4 Rep. 8	Jul 2007	Flood Simulation Study of the Rio Grande Levees Near Las Cruces, New Mexico, Using Seismic and Electrical Geophysical Methods, by J.B. Dunbar, J.R. McKenna, E.W. Smith, R.D. Miller and J. Ivanov	
¹ ERDC/GSL TR-03-5	Jul 2003	Constructibility Study of Water-and Gelled-Water-Filled Tube Barricades, by T.K. Cummins, J.H. Weathersby, P.G. Kinnebrew, K.P. Walters, and J.H. White	
¹ ERDC/GSL TR-03-6	Jul 2003	Overhead Cover for Infantry Fighting Positions, by P.G. Kinnebrew, S. Laird, J.H. Weathersby, and J.H. White	
ERDC/GSL TR-03-7	Jul 2003	Enhanced Coastal Trafficability: Road Construction Over Sandy Soils, by R.L. Santoni	ADA416427
¹ ERDC/GSL TR-03-8	Jul 2003	Experimental Results for 1/3-Scale Dipole Tiger 1 and 1/11.6 Scale Tests 63, 64, and 65 in Support of the Collateral Effects Environment Program, by P.W. Graham, V.P. Chiarito, and G.E. Albritton	ADB292020
ERDC/GSL TR-03-9	Aug 2003	Investigation of Bond Slip Between Concrete and Steel Reinforcement Under Dynamic Loading Conditions, by J.H. Weathersby	

¹ Limited distribution; see Preface.

ERDC/GSL TR-03-10	Jul 2003	Geologic Investigation of the Middle Mississippi River (CD-ROM), by E.G. Woerner, J.B. Dunbar, E. Villanueva, and L.M. Smith	ADM001497
ERDC/GSL TR-03-11	Aug 2003	Field Study of Live Load Distribution Factors and Dynamic Load Allowance on Reinforced Concrete T-Beam Bridges, by M.D. Trimble, T.E. Cousins, and Y. Seda-Sanabria	ADA417357
ERDC/GSL TR-03-12	Aug 2003	A Study of Effective Moment of Inertia Models for Full-Scale Reinforced Concrete T-Beams Subjected to a Tandem-Axle Load Configuration, by J.E. Wickline, T.E. Cousins, and Y. Seda-Sanabria	ADA417481
ERDC/GSL TR-03-13	Aug 2003	Third US-Japan Workshop on Advanced Research on Earthquake Engineering for Dams, San Diego, California, 22-23 June 2002, by R.L. Hall, Y. Yamaguchi, E.E. Matheu, and Z.H. Duron, editors	ADA417586
ERDC/GSL TR-03-14	Aug 2003	Proposed Design Criteria on Thin-Wall Precast Panels for Hydraulic Concrete Structures, by S.X. Yao, D.E. Berner, W. Miles, B.D. Fehl, M. Walker, and S.C. Woodson	ADA417479
ERDC/GSL TR-03-15	Aug 2003	Applications of Synthetic Aperture Radar (SAR) to Unexploded Ordnance (UXO) Delineation, by J.E. Simms	ADA417715
¹ ERDC/GSL TR-03-16	Aug 2003	Experimental Results of 1/3-Scale Dipole Orbit Tests Conducted in FY 1995 and FY 2000 (Container Spillage Investigation Using Dry Biological Simulants) in Support of the Collateral Effects Environment Program, by P.W. Graham, V.P. Chiarito, and G.E. Albritton	ADB292910
ERDC/GSL TR-03-17 Rep. 1	Sep 2003	Pavement Model Generation Interface, Report 1 - Formulation and Operation of the System, by B.W. McPheeters and D.M. Smith	ADA417965
¹ ERDC/GSL TR-03-21	Sep 2003	Criteria for Multispectral Decoy Construction and Employment, by C.B. Blount, B.P. Durst, K. Van Peurse, and L.J. Watkins	ADB293203
ERDC/GSL TR-03-22	Sep 2003	Data Collection and Analysis of Moisture and Soil Strength Information for Validation of New State-of-the-Ground Models, by G.L. Mason, D.W. Moore, G.M. Brandon, and D.L. Leese	ADA421658

¹ Limited distribution; see Preface.

ERDC/GSL TR-03-24	Nov 2003	E-Krete™ Polymer Composite Micro-Overlay for Airfields: Laboratory Results and Field Demonstrations, by J.K. Newman and J.E. Shoenberger	ADA419412
¹ ERDC/GSL TR-04-1	Feb 2004	Experimental Results of 1/3-Scale Wall Tests 1 Through 5: Shielding Biological and Chemical Simulant Containers (Container Spillage Tests) in Support of the Consequence Assessment Program, by P.W. Graham and G.E. Albritton	ADB298435
¹ ERDC/GSL TR-04-2	Mar 2004	Miniature-Scale Experiments of Airblast Diffraction Over Barrier Walls: Results and Analysis, by D.D. Rickman and D.W. Murrell	ADB298150
ERDC/GSL TR-04-3	Feb 2004	Mission Level Mobility Analysis of the U.S. Marine Corps HIMARS Vehicles, by R.A. Jones, S.J. Price, and R.B. Ahlvin	ADA422287
ERDC/GSL TR-04-4	Jun 2004	A Partially Saturated Constitutive Theory for Compacted Fills, by E.S. Berney IV	ADA425462
ERDC/GSL TR-04-5	Jul 2004	Strengthening of Concrete Beams With Fasteners and Composite Material Strips-Scaling and Anchorage Issues, by L.C. Bank, D.T. Borowicz, D. Aroya, A.J. Lamanna, G.I. Velazquez, and J.C. Ray	ADA426411
¹ ERDC/GSL TR-04-7	Aug 2004	Scale-Model Experiments to Investigate the Effect of Concrete Pavements on Embankment Craters, by D.D. Rickman and D.W. Moore	ADB303540
ERDC/GSL TR-04-8	Aug 2004	Guidelines for Planning Unexploded Ordnance (UXO) Detection Surveys, by J.E. Simms, R.J. Larson, W.L. Murphy, and D.K. Butler	ADA427038
ERDC/GSL TR-04-9	Sep 2004	Assessment of Foreign Bridge Standards and Techniques, by A.J. Lamanna, M. Lok, G.I. Velazquez, J.C. Ray, and T.R. Stanton	ADA429078
ERDC/GSL TR-04-10	Sep 2004	Evaluation of Expedient Methods for Mitigating Dust on Helipads, by J.S. Tingle, A. Harrison, and J.F. Rushing	ADA429008
ERDC/GSL TR-04-11	Sep 2004	Vehicle Capacity API for Transportation Infrastructure Network Builder (TINet), by G.B. McKinley	ADA427994
ERDC/GSL TR-04-12	Sep 2004 Rev. July 2010	Prediction of Piping Erosion Along Middle Mississippi River Levees-An Empirical Model, by M. E. Glynn and J. Kuszmaul	ADA428221

¹ Limited distribution; see Preface.

ERDC/GSL TR-04-13	Sep 2004	Folsom Dam Outlet Works Modification Project: Dynamic Stress Analysis of Overflow and Nonoverflow Sections, by E.E. Matheu, R.L. Hall, and R.V. Kala	ADA427798
¹ ERDC/GSL TR-04-14	Sep 2004	An Evaluation of the Penetration Augmented Munition (PAM) as a Roadway Cratering Device, by D.D. Rickman, D.W. Moore, and R.N. Walters	ADB304358
¹ ERDC/GSL TR-04-15	Sep 2004	Explosive Cratering of Asphalt Roadways: The Penetration Augmented Munition (PAM) Follow-on Experiments, by D.D. Rickman and D.W. Moore	ADB304388
ERDC/GSL TR-04-16	Sep 2004	Seismic Analysis of Intake Towers Considering Multiple-Support Excitation and Soil-Structure Interaction Effects, by A.L. Vidot, L.E. Suarez, E.E. Matheu, and M.K. Sharp	ADA427787
¹ ERDC/GSL TR-04-17	Sep 2004	Sand Island Tunnel Reconnaissance Study, Construction and Design of Tunnel Alternatives, Cost Estimate, by M.E. Glynn, A.J. Pollak, E.J. Cording, J. Mahar, D.C. McCarry, S. Narasimharajan, I. Maevski, and W.L. Murphy	ADB304361
¹ ERDC/GSL TR-04-18	Sep 2004	Determination of Rock Mass Rating and Deformation Moduli - Six Cross Sections of Portugues Dam Foundation, Comparison of 2000 and 2003 Analyses, by M.E. Glynn and G.A. Nicholson	ADB304157
¹ ERDC/GSL TR-05-1	Jan 2005	Improved Algorithms for Dual Delivery Problems, by M.D. Adley, J.D. Cargile, R.P. Berger, B. Rohani, and B. Patterson	ADB305954
ERDC/GSL TR-05-2 Rep. 1	Jan 2005	Rapid Maximum-On-Ground (MOG) Enhancement Technologies. Report 1. Matting Systems for Contingency Helipads and C-130 Test Sections, by G.L. Anderton and C.A. Gartrell	ADA431207
¹ ERDC/GSL TR-05-4	Jan 2005	Experimental Results for the 1/6-Scale Divine Umpire Demonstration Test and Calibration Test in Support of the Consequence Assessment Program, by P.W. Graham and G.E. Albritton	ADB307003
ERDC/GSL TR-05-5	Jan 2005	Evaluation of Recharge Trench System, North Boundary Containment Treatment System, Rocky Mountain Arsenal, Commerce City, Colorado, by M.K. Corcoran, D.M. Patrick, N.G. Gaggiani, and J.H. May	ADA431205

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ERDC/GSL TR-05-6	Feb 2005	Standard for Ground Vehicle Mobility, by E.A. Baylot, Jr., B.Q. Gates, J.G. Green, P.W. Richmond, N.C. Goerger, G.L. Mason, C.L. Cummins, and L.S. Bunch	ADA433075
ERDC/GSL TR-05-7	Mar 2005	Expedient Repair Materials for Roadway Pavements, by J.E. Shoenberger, W.D. Hodo, C.A. Weiss, Jr., P.G. Malone, and T.S. Poole	ADA432378
¹ ERDC/GSL TR-05-8	Mar 2005	Wet Bio Test Series, Experimental Campaigns 1-4, Tests WB-1 through WB-45 and Calibration Tests Cal 1 through Cal 8 in Support of the Consequence Assessment Program, by P.W. Graham and G.E. Albritton	ADB307936
ERDC/GSL TR-05-9	Mar 2005	Evaluation of Application Methods and Products for Mitigating Dust for Lines-of-Communication and Base Camp Operations, by J.F. Rushing, J.A. Harrison, and J.S. Tingle	ADA433127
ERDC/GSL TR-05-10	Apr 2005	Characterization of Reinforced Concrete Bridges Using Dynamic Response Measurements for Use in Load Capacity Estimation, by Z.H. Duron, D. Sutoyo, G. Lee, and Y. Seda-Sanabria	ADA433799
¹ ERDC/GSL TR-05-11	Apr 2005	Field Evaluation of Rapid Airfield Assessment Technologies, by L.D. Phillips	ADB309620
ERDC/GSL TR-05-12	May 2005	Geomorphic Investigation of Bakers Bayou Near Lonoke, Arkansas, by J.B. Dunbar	ADA434045
ERDC/GSL TR-05-14	Jun 2005	Folsom Dam Outlet Works Modification Project: Simplified Three-Dimensional Stress Analysis of Monolith 12, by E.E. Matheu and S.B. Garner	ADA437088
ERDC/GSL TR-05-16	Jul 2005	Laboratory Characterization of Fine Aggregate Cementitious Material, by E.M. Williams, S.A. Akers, and P.A. Reed	ADA435634
ERDC/GSL TR-05-17	Jul 2005	Using Geophysics to Assess the Condition of Small Embankment Dams, by T.R. Brosten, J.L. Llopis, and J.R. Kelley	ADA438045
ERDC/GSL TR-05-18	Aug 2005	In Situ Geophysical Surveys for Estimation of Foundation Rock Properties, Concrete Gravity Section, Folsom Dam, by J.L. Llopis, M.K. Sharp, and E.E. Matheu	ADA438857

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ERDC/GSL TR-05-19	Sep 2005	Sediment Capping and Natural Recovery: Contaminant Transport Fundamentals With Applications to Sediment Caps, by D.M. Petrovski, M.K. Corcoran, J.H. May, and D.M. Patrick	ADA438041
¹ ERDC/GSL TR-05-20	Sep 2005	Dam Incidents Involving U.S. Army Corps of Engineers Structures, by J.B. Dunbar, E. Villanueva, W.L. Murphy, and M.K. Corcoran	
¹ ERDC/GSL TR-05-21	Sep 2005	Construction Practices and Material Properties in Turkey, by S.T. Montgomery and R.C. Dove	ADB311793
ERDC/GSL TR-05-22	Sep 2005	Dynamic Testing and Numerical Correlation Studies For Folsom Dam, by Z. Duron, E.E. matheu, V.P. Chiarito, J.F. Hall, and M.K. Sharp	ADA446669
ERDC/GSL TR-05-23	Oct 2005	Dust Abatement Methods for Lines-of-Communication and Base Camps in Temperate Climates, by J.F. Rushing, V.M. Moore, J.S. Tingle, Q. Mason, and T. McCaffrey	ADA440551
¹ ERDC/GSL TR-06-1	Jan 2006	Methodology and User's Guide for PENCURV+, Version 1.5, by M.D. Adley, R.P. Berger, J.D. Cargile, and D.D. Boswell	
ERDC/GSL TR-06-2	Feb 2006	Evaluation of Chemical Dust Palliatives for Helipads, by J.F. Rushing, V.M. Moore, and J.S. Tingle	ADA444812
¹ ERDC/GSL TR-06-3	Apr 2006	Experimental Results for Deflagration of Chemical Simulant: Scoping Tests 66-74 and Primary Deflagration Tests 75-86 in Support of the Consequence Assessment Program, by P.W. Graham and G.E. Albritton	
¹ ERDC/GSL TR-06-4	May 2006	Magneto Inductive-Remote Activation Munitions System (MI-RAMS): MI Field Penetration Tests at the Capitol Peak Tunnel Complex and LTS2 Structure, White Sands Missile Range, New Mexico, and the U16B Tunnel Complex, Nevada Test Site, Nevada, by J.E. Windham, T.A. Waddell, and C. DeLuca	
¹ ERDC/GSL TR-06-5	May 2006	Experimental Results for Ram Angle Test Series: Scoping Tests RA-1 Through RA-30 in Support of the Consequence Assessment Program, by P.W. Graham, J.A. Atchison, and G.E. Albritton	

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¹ ERDC/GSL TR-06-6	Jun 2006	Scale-Model Experiments to Investigate the Effect of Steel-Reinforced and Roller-Compacted Concrete Pavements on Crater Mitigation, by D.D. Rickman, D.W. Moore, and J.W. Hall III	ADB318272
¹ ERDC/GSL TR-06-7	Aug 2006	Evaluation of the Current Vulnerability of Expeditionary Shelters to Airblast, by S.C. Lofton and J.L. Davis	
¹ ERDC/GSL TR-06-8	Aug 2006	Effects of Particle Size and Computational Approach on Calculated Shock-Wave Propagation through Coarse Boulder Backfills, by H.D. Zimmerman and V.E. Koik	
¹ ERDC/GSL TR-06-9	Aug 2006	Experimental Results for Small-Scale Tunnel Tracer Detection Test Series: Tests TS-32 Through TS-47 in Support of the Consequence Assessment Program, by P.W. Graham, M.H. McKenna, G.E. Albritton, and L.W. Stockham	
¹ ERDC/GSL TR-06-10	Aug 2006	Determination of Unit Section Modulus for Finite Element Modeling of Matting Systems, by E.S. Berney IV, W.D. Hodo, and J.A. Vera	
ERDC/GSL TR-06-11	Sep 2006	Durability Evaluation of Polymeric Materials for Expeditionary Helipads, by V.M. Moore, J.F. Rushing, and J.S. Tingle	
ERDC/GSL TR-06-12	Sep 2006	Expedient Gap Definition Using 3D LADAR, by L. Edwards and S.R. Jersey	ADA454916
¹ ERDC/GSL TR-06-13	Sep 2006	Subscale Projectile Penetration Experiments into Intact and Jointed Rock Targets, by M.L. Green, D.J. Frew, B. Rohani, and J.D. Cargile	
¹ ERDC/GSL TR-06-14	Sep 2006	Geologic and Geophysical Properties of Soil Samples from Two Sites in Iraq, by J.R. Kelley, J.R. McKenna, and L.D. Wakeley	
ERDC/GSL TR-06-15	Sep 2006	Laboratory Characterization of SAM-35 Concrete, by E.M. Williams, S.A. Akers, and P.A. Reed	ADA456251
ERDC/GSL TR-06-16	Sep 2006	Laboratory Characterization of White Masonry Concrete, by E.M. Williams, S.A. Akers, and P.A. Reed	ADA456250
¹ ERDC/GSL TR-06-17	Sep 2006	Ride and Shock Performance Specification Test Results for the Expeditionary Fighting Vehicle (EFV), by R.A. Jones, D.W. Moore, and S.J. Price	ADB321130

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¹ ERDC/GSL TR-06-18	Sep 2006	Standoff Mortar Fragment Velocity Before and After Perforation of Conventional Building Walls, by L.A. de Bejar, L. Simmons, and J.L. Davis	
¹ ERDC/GSL TR-06-19	Sep 2006	Small-Scale Structure-Medium-Interaction Experiments: Test Results for Experiments 5 through 8, by B.R. Phillips, J.E. Windham, and D.D. Rickman	ADB322190
¹ ERDC/GSL TR-06-21	Dec 2006	Tunnel Detection Technology Demonstrations: Otay Mesa and Calexico, California, by J.R. McKenna, R. Horton, G. Elbring, A. Clymer, and C. Hansen	
¹ ERDC/GSL TR-06-22	Nov 2006	Estimating Forces on Structural Panels Due to Blast-Induced Fragmentation of Mortars, by L.A. de Bejar, J.L. Davis, and L. Simmons	
¹ ERDC/GSL TR-06-23	Sep 2006	Magneto Inductive-Remote Activation Munitions System (MI-RAMS): MI Field Penetration Tests at the Mont Terri and Grimsel Underground Laboratories in Switzerland and the HADES Underground Laboratory in Belgium, by J.E. Windham, T.A. Waddell, C. DeLuca, and A.E. Jackson, Jr.	
¹ ERDC/GSL TR-06-24	Sep 2006	Development of an Improved Analytic Technique for Prediction of Ground Shock Hoop Stresses in Spherical Flow Fields, by J.E. Windham and R.E. Walker	ADB323769
¹ ERDC/GSL TR-06-25	Dec 2006	Conceptual Studies for Rapidly Deployable Battlespace Gap Structures, by L.C. Bank, J.S. Russell, J.P. Hanus, G.I. Velazquez, W. Varela-Ortiz, and J.C. Ray	
ERDC/GSL TR-06-26	Dec 2006	Unbonded Aggregate Surface Roads, by R.B. Freeman, D.A. Goss, P.S. McCaffrey, J.G. Tom, T.S. Poole, L.T. Lee, and P.A. Taylor	ADA460698
ERDC/GSL TR-06-27	Dec 2006	Seismic Measurement of Concrete Strength Properties, by H.P. Bell	ADA460086
¹ ERDC/GSL TR-06-28	Dec 2006	Baseline of the DeltaEM Gradiometer at Three Federal Facilities, by J.R. McKenna, L.J. Perren, and T.E. McGill	
¹ ERDC/GSL TR-06-29	Dec 2006	Experimental Results for Improvised Dispersal Devices, Tests IDD-1 through IDD-17 and Calibration Tests 1-25 in Support of the Consequence Assessment Program, by P.W. Graham and G.E. Albritton	

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¹ ERDC/GSL TR-06-30	Dec 2006	Use of International Organization for Standardization Shipping Containers for Belowground Personnel Bunkers, by J.H. Weathersby, M.J. Roth, and J.H. White	
ERDC/GSL TR-07-1	Feb 2007	Evaluation of Expeditionary Mat Surfacing for Beach Roads, by T.S. Rushing, J.S. Tingle, and Q.S. Mason	
ERDC/GSL TR-07-2	Mar 2007	Geomorphic Identification and Verification of Recent Sedimentation Patterns in the Woonasquatucket River, North Providence, Rhode Island, by M.K. Corcoran	ADA464865
¹ ERDC/GSL TR-07-3	Feb 2007	Crater and Damage Effects and Ground Shock Loading From Standoff Detonations on Concrete Slabs With Varied Edge Fixity, by J.Q. Ehrigott, Jr., J.D. Cargile, and J.E. Windham	ADB325795
¹ ERDC/GSL TR-07-4	Mar 2007	Experimental Results for Field Expedient Demilitarization (FED) Test Series, Tests FED-1 through FED-15 and Calibration Tests 1 and 2 in Support of the Consequence Assessment Program, by P.W. Graham, G.E. Albritton and L.W. Stockham	
¹ ERDC/GSL TR-07-5	Mar 2007	AM2 and M19 Airfield Mat Evaluation for the Rapid Parking Ramp Expansion Program, by T.W. Rushing and J.S. Tingle	
¹ ERDC/GSL TR-07-8	Apr 2007	Experimental Results for Ram Angle Follow-on Test Series: Tests RA-31 Through RA-42 in Support of the Consequence Assessment Program, by P.W. Graham and G.E. Albritton	
ERDC/GSL TR-07-9	Apr 2007	Grout Impregnation of Pre-Placed Recycled Concrete Pavement (RCP) for Rapid Repair of Deteriorated Portland Cement Concrete Airfield Pavement, by T.A. Mann, R.B. Freeman, and G.L. Anderton	ADA467797
¹ ERDC/GSL TR-07-10 Rep. 1	Apr 2007	Field Fortification Scale Modeling to Characterize Internal Blast Conditions Resulting from External Detonations: Report 1, 1/8-Scale Model of Large Observation Post, by M.J. Roth, R.D. Stinson, and C.B. Blount	
¹ ERDC/GSL TR-07-10 Rep. 2	Apr 2007	Field Fortification Scale Modeling to Characterize Internal Blast Conditions Resulting from External Detonations: Report 2, 1/8-Scale Model of Small Observation Post, by M.J. Roth, R.D. Stinson, and C.B. Blount	

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¹ ERDC/GSL TR-07-10 Rep. 3	Apr 2007	Field Fortification Scale Modeling to Characterize Internal Blast Conditions Resulting from External Detonations: Report 3, 1/8-Scale Model of 20-ft Aboveground MILVAN Bunker, by R.D. Stinson, M.J. Roth, and C.B. Blount	
¹ ERDC/GSL TR-07-10 Rep. 4	Apr 2007	Field Fortification Scale Modeling to Characterize Internal Blast Conditions Resulting from External Detonations: Report 4, 1/8-Scale Model of 40-ft Belowground MILVAN Bunker, by R.D. Stinson, M.J. Roth, and C.B. Blount	
¹ ERDC/GSL TR-07-11	May 2007	Experimental Results for Weapon in Tank Scoping Test Series: Tests WT-1 through WT-12 in Support of the Consequence Assessment Program, by P.W. Graham and G.E. Albritton	
¹ ERDC/GSL TR-07-12	May 2007	Evaluation of Corrugated Aluminum Arches to Construct Improved, Revetted Fighting Positions, by M.J. Roth and M.E. Booth	
¹ ERDC/GSL TR-07-13	May 2007	Estimating the Risk of Embankment Dam Incidents Related to Seepage Based on Historical Records of Prior Incidents, by J.S. Kuszmaul, M.K. Corcoran, E. Villanueva, and J.B. Dunbar	
ERDC/GSL TR-07-14	May 2007	Feasibility Investigation into Strengthening of Timber Bridge Stringers, by A.J. Lamanna, A. Akbiyik, J.C. Ray, and G.I. Velázquez	ADA468971
¹ ERDC/GSL TR-07-15	May 2007	Use of Rapidly Cured Inflatable Composite Beams for Military Small-Gap Bridging, by W. Varela-Ortiz, G.I. Velázquez, and C.Y. Lugo	
¹ ERDC/GSL TR-07-16	Jun 2007	Investigations for Airfield Damage Repair Kit Modifications and Improvements, by C.A. Gartrell	
ERDC/GSL TR-07-17	Jun 2007	Load Test and Load Rating Report for Bridge 305 Over Foster's Creek Located at Naval Weapons Facility, Charleston, SC, by J.L. Schulz, B.C. Commander, T.R. Stanton, W. Varela-Ortiz, C.Y. Lugo, and M.H. McKenna	ADA469215
ERDC/GSL TR-07-18	Jun 2007	Evaluation Criteria for Aged Asphalt Concrete Surfaces, by H.P. Bell and R.B. Freeman	ADA470955
ERDC/GSL TR-07-19	Jun 2007	Laboratory Investigation of Chemical Dust Pallative Performance on Sandy Soil, by J.F. Rushing, J.K. Newman, and T.J. McCaffrey	ADA469306

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ERDC/GSL TR-07-20	Jun 2007	A Comparative Field Study of PermaStripe™ Polymer Concrete and Waterborne Airfield Pavement Markings, by J.K. Newman, D. Speidel, R. Boeger, and B. Hudson	ADA469457
ERDC/GSL TR-07-21	Jul 2007	Geophysical Surveys for Assessing Levee Foundation Conditions, Sacramento River Levees, Sacramento, CA, by J.L. Llopis, E.W. Smith, and R.E. North	ADA470918
¹ ERDC/GSL TR-07-22 Rep. 1	Aug 2007	Development of Barricades for Protective and Safety Measures at a Munitions and Explosives of Concern Site. Report 1: Aluminum Open-Front Barricade, by R.D. Stinson, W.F. Heard, T.K. Cummins, and M. Crull	ADB330821
ERDC/GSL TR-07-23	Aug 2007	Laboratory Characterization of Gray Masonry Concrete, by E.M. Williams, S.A. Akers, and P.A. Reed	ADA472947
ERDC/GSL TR-07-24	Aug 2007	Laboratory Characterization of Solid Grade SW Brick, by E.M. Williams, S.A. Akers, and P.A. Reed	ADA472942
ERDC/GSL TR-07-25	Sep 2007	Geophysical Surveys for Assessing Levee Foundation Conditions, Feather River Levees, Marysville/Yuba City, California, by J.L. Llopis and J.E. Simms	ADA471724
ERDC/GSL TR-07-26	Sep 2007	Fluvial Instability and Channel Degradation of Amite River and its Tributaries, Southwest Mississippi and Southeast Louisiana, by D.R. Hood, D.M. Patrick, and M.K. Corcoran	ADA471731
ERDC/GSL TR-07-27	Sep 2007	Laboratory and Field Investigations of Small Crater Repair Technologies, by L.P. Priddy, J.S. Tingle, T.J. McCaffrey, and R.S. Rollings	ADA471743
¹ ERDC/GSL TR-07-28	Nov 2007	Small-Scale Structure-Medium-Interaction Experiments 9 through 11, Test Results, by B.R. Phillips, J.E. Windham, and D.D. Rickman	ADB334267
¹ ERDC/GSL TR-07-29	Dec 2007	Prototype Mat System Evaluation, by T.W. Rushing and N. Torres	
¹ ERDC/GSL TR-07-30	Dec 2007	Field Testing and Load Rating Report, Bridge S-1801, Camp Casey, South Korea, by B. Commander, J. Grimson, W. Varela-Ortiz, T.R. Stanton, G. Velazquez, and G.M. Hansler	
¹ ERDC/GSL TR-07-32	Dec 2007	(U) Investigation of Pre-Detonation Layer Blast Shielding Effects, by M.J. Roth, R.D. Stinson, and T.E. McGill	

¹ Limited distribution; see Preface.

ERDC/GSL TR-07-33	Dec 2007	Full-Scale Instrumented Testing and Analysis of Matting Systems for Airfield Parking Ramps and Taxiways, by C.A. Gartrell	ADA476667
¹ ERDC/GSL TR-08-1	Feb 2008	Analysis, Design and Testing of International Organization for Standardization Container Reinforcement System, by W. Varela-Ortiz, G.I. Velázquez, and L.A. Gonzalez	
ERDC/GSL TR-08-2	Feb 2008	Mechanical and Physical Properties of ASTM C33 Sand, by E.S. Berney IV and D.M. Smith	ADA477592
ERDC/GSL TR-08-3	Mar 2008	A Rapid Soils Analysis Kit, by E.S. Berney IV and R.E. Wahl	ADA484159
¹ ERDC/GSL TR-08-4	Apr 2008	Static Experiments of GMLRS Warheads against Earth-Timber Bunkers Emplaced in a Sand Backfill, by D.D. Rickman, J.Q. Ehr Gott, Jr., and J.W. Hall III	
¹ ERDC/GSL TR-08-5	Apr 2008	Evaluation of NAVAIR High Power Run-Up Anchors, by G.J. Norwood and J.S. Tingle	
ERDC/GSL TR-08-6	May 2008	Evaluation Criteria for Aged Asphalt Concrete Surfaces; Phase II, by H.P. Bell, R.B. Freeman, and E.R. Brown	ADA481737
ERDC/GSL TR-08-7	May 2008	Quality Assurance for Rapid Airfield Construction, by R.B. Freeman, T.A. Mann, L.W. Mason, C.A. Gartrell, and V.M. Moore	ADA481168
ERDC/GSL TR-08-8	May 2008	Field Testing and Load Rating Report, Bridge S-1090, Camp Casey, South Korea, by B. Commander, J. Grimson, W. Varela-Ortiz, T.R. Stanton, C.Y. Lugo, and G.M. Hansler	ADA481801
¹ ERDC/GSL TR-08-9	Jun 2008	Investigations for Airfield Damage Repair Kit Modifications and Improvements, Phase 2, by C.A. Gartrell	ADB339855
ERDC/GSL TR-08-10	Jun 2008	Laboratory Characterization of Type S Mortar, by E.M. Williams, S.A. Akers, and P.A. Reed	
ERDC/GSL TR-08-11	Jun 2008	Laboratory Characterization of Adobe, by E.M. Williams, S.A. Akers, and P.A. Reed	
¹ ERDC/GSL TR-08-12	Jun 2008	Laboratory Characterization of Eglin Fuze and Holloman Fuze Concretes, by E.M. Williams, S.A. Akers, and P.A. Reed	
¹ ERDC/GSL TR-08-13	Jun 2008	AM2 10 CBR Subgrade Sensitivity Test for the Rapid Parking Ramp Expansion Program, by T.W. Rushing, N. Torres, and Q.S. Mason	

¹ Limited distribution; see Preface.

¹ ERDC/GSL TR-08-14	Jul 2008	Small-Scale Structure-Medium-Interaction Experiments: Test Results for Experiments 12-14, by J.Q. Ehrgott, Jr., J.E. Windham, D.D. Rickman, B.R. Phillips, T.A. Waddell, and A.E. Jackson, Jr.	ADB342079
¹ ERDC/GSL TR-08-15	Aug 2008	Mechanics of Thin-Slab Perforation by Kinetic-Energy Projectiles, by M.D. Adley, A.O. Frank, and B. Rohani	
ERDC/GSL TR-08-16	Jul 2008	Homogenization via Sequential Projection to Nested Subspaces Spanned by Orthogonal Scaling and Wavelet Orthonormal Families of Functions, by L.A. de Bejar	ADA485319
ERDC/GSL TR-08-17	Jul 2008	Joint Rapid Airfield Construction (JRAC) 2007 Technology Demonstration, by G.L. Anderton, E.S. Berney IV, T.A. Mann, J.K. Newman, E.A. Baylot, D.K. Miller, and Q. Mason	ADA485296
ERDC/GSL TR-08-18	Jul 2008	Field Testing and Load Rating Report, Bridge S-4360, Camp Hovey, South Korea, by B. Commander, J. Grimson, W. Varela-Ortiz, T.R. Stanton, G.I. Velazquez, and G.M. Hansler	ADA485300
¹ ERDC/GSL TR-08-19	Jul 2008	Experimental Determination of the Ignition or Explosion Potential of Ground Torch Fuel Tanks When Exposed to Threat Projectiles, by R.D. Stinson, S.T. Montgomery, R.E. Magee, Jr., and M.J. Roth	
¹ ERDC/GSL TR-08-20	Jul 2008	Experimental Results for Biological Simulant Release Near Detonation Fireballs: Small-Scale Tests 105 through 110 and Follow-On Repeat Tests, by P.W. Graham and G.E. Albritton	ADB363067
¹ ERDC/GSL TR-08-21	Jul 2008	Results for Component Vulnerability Experiments: Tests 1 and 2 at Fort Polk, LA, Field Test Site, by P.W. Graham, G.E. Albritton, and E.N. Adcock	
ERDC/GSL TR-08-22	Sep 2008	Risk Assessment of Rock Surface Spillway Erosion Using Parametric Studies, by E. Villanueva and J.L. Wibowo	
¹ ERDC/GSL TR-08-23	Sep 2008	Blast Vulnerability and Risk Assessment of a Lock and Dam Project, by G.W. McMahon, J.L. O'Daniel, L.K. Davis, B.E. Walker, V.E. LeGarde, and R.A. Weed	

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ERDC/GSL TR-08-24	Sep 2008	Flexural and Tensile Properties of Thin, Very High-Strength, Fiber-Reinforced Concrete Panels, by M.J. Roth	ADA492800
¹ ERDC/GSL TR-08-25	Sep 2008	AM2 15 CBR Subgrade Sensitivity Test for the Rapid Parking Ramp Expansion Program, by T.W. Rushing and Q.S. Mason	
ERDC/GSL TR-08-26	Oct 2008	Evaluation of Minimum Asphalt Concrete Thickness Criteria, by H.P. Bell and L.W. Mason	
¹ ERDC/GSL TR-08-27	Oct 2008	Advanced Airfield Damage Repair Technologies, Phase I, by L.P. Priddy, C. Moore, and E. Padilla-Salinas	
¹ ERDC/GSL TR-08-28	Sep 2008	Optimization of the Explosive Removal of Concrete from Double Reinforced Walls, by D.D. Rickman, T.W. Shelton, J.Q. Ehrgott, Jr., S.A. Akers, D.W. Moore, T.A. Waddell, and J.E. Windham	ADB346034
¹ ERDC/GSL TR-08-29	Dec 2008	Validation of the Protective Performance of Modular Concrete Bunkers Against Rocket and Mortar Attack, by M.J. Roth, B.P. Durst, and P.G. Kinnebrew	
¹ ERDC/GSL TR-09-1	Jan 2009	Small-Scale Prototype Mat System Evaluation for the AMX Program, by T.W. Rushing, J.S. Tingle, and L.I. Garcia	
¹ ERDC/GSL TR-09-2	Jan 2009	Field Evaluation of the Navy Injectable Foam Airfield Damage Repair Concept, by L.P. Priddy	
¹ ERDC/GSL TR-09-3	Feb 2009	Improving Air Delivery Capability Against Protective Structures (IACAPS), Phase 1, by J.Q. Ehrgott, Jr., J.G. Averett, C.D. Thomas, J.D. Cargile, J.W. Hall III, and T.A. Waddell	ADB347940
¹ ERDC/GSL TR-09-4	Feb 2009	Evaluation of NAVAIR High Power Run-up Anchors, Phase II, by C.A. Gartrell and R.B. Freeman	
ERDC/GSL TR-09-5	Mar 2009	Laboratory Characterization of Type N Mortar, by E.M. Williams, S.A. Akers, and P.A. Reed	ADA502083
ERDC/GSL TR-09-6	Mar 2009	Investigation of Sliver-Spall Damage at Offutt Air Force Base, Nebraska, by T.S. Poole and R.S. Rollings	
¹ ERDC/GSL TR-09-7	May 2009	Full-Scale Evaluation of Blast Effects on Soil-Based Field Fortifications, ADF Trial 845, by M.J. Roth and R.D. Stinson	

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ERDC/GSL TR-09-8	May 2009	Enhanced Vehicle Dynamics Module, by D.C. Creighton, G.B. McKinley, R.A. Jones, and R.B. Ahlvin	ADA500759
EDRC/GSL TR-09-9	May 2009	Field Testing and Load Rating Report, Bridge FSBR-514, Fort Shafter, Hawaii, by B. Commander, W. Varela-Ortiz, T.R. Stanton, and H. Diaz-Alvarez	ADA501408
¹ ERDC/GSL TR-09-10	May 2009	Suitability of Flexible Drainage Pipes for Use in Contingency Airfield Construction, by R.B. Freeman, G.J. Norwood, P.S. McCaffrey, and J.S. Tingle	
¹ ERDC/GSL TR-09-12	May 2009	CRATR Limited Operational Utility Assessment 1 (LOUA1), Tyndall Air Force Base, Florida, by J.S. Tingle, L.P. Priddy, M.C. Edwards, C.A. Gartrell, and T.J. McCaffrey	
ERDC/GSL TR-09-13	May 2009	Evaluation of Laboratory Procedures for Testing Asphalt Surface Treatments for Airfield Pavements, by J.F. Rushing and J.G. Tom, Jr.	
¹ ERDC/GSL TR-09-14	May 2009	Experimental Results for Tests 87-95, Light-Steel Metal Buildings with Stored Chemical Simulant (TEP), by P.W. Graham and G.E. Albritton	
ERDC/GSL TR-09-15	Jun 2009	In Situ Determination of Flexural Strength Using Seismic Testing, by H.P. Bell	
¹ ERDC/GSL TR-09-16 Rep. 1	Dec 2009	Infrasound Assessment of Infrastructure. Report 1, Field Testing and Finite Element Analysis for Railroad Bridge A.B 0.3, Fort Leonard Wood, Missouri, by H. Diaz-Alvarez, M.H. McKenna, and P.F. Mlakar	ADB356827
¹ ERDC/GSL TR-09-16 Rep. 2, Vol. 1	Feb 2010	Infrasound Assessment of Infrastructure. Report 2, Experimental Infrasound Measurements of Railroad Bridge A.B 0.3, Fort Leonard Wood, Missouri. Volume I: Main Text, by M.H. McKenna, A.F. Lester and S.J. McComas	
¹ ERDC/GSL TR-09-16 Rep. 2, Vol. 2	Feb 2010	Infrasound Assessment of Infrastructure. Report 2, Experimental Infrasound Measurements of Railroad Bridge A.B 0.3, Fort Leonard Wood, Missouri. Volume II: Appendixes A-D, by M.H. McKenna, A.F. Lester and S.J. McComas	

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¹ ERDC/GSL TR-09-16 Rep. 3	Mar 2010	Infrasound Assessment of Infrastructure. Report 3, Numerical Simulation of Structural-Acoustic Coupling and Infrasonic Propagation Modeling for Railroad Bridge A.B 0.3, Fort Leonard Wood, Missouri, by M.H. McKenna, S. Yushanov, K. Koppenhoefer, and J.R. McKenna	
ERDC/GSL TR-09-17	Jun 2009	Laboratory Characterization of Redstone Technical Test Center Brick, by S.S. Graham, E.M. Williams, and P.A. Reed	
ERDC/GSL TR-09-18	Jun 2009	Field Evaluation of Asphalt Surface Treatment Usage and Performance, by J.F. Rushing	
ERDC/GSL TR-09-19	Jul 2009	Evaluation of Airfield Pavement Drainage Layers, by J.F. Rushing and M. Mejias-Santiago	
ERDC/GSL TR-09-20	Jul 2009	In Situ Evaluation of Unsurfaced Portland Cement-Stabilized Soil Airfields, by J.R. Griffin and J.S. Tingle	ADA508359
¹ ERDC/GSL TR-09-21	Jul 2009	Laboratory Characterization of Test-Bed Soils for the Aberdeen Test Center Experiments with the SA-155 Projectile, by E.M. Williams, S.S. Graham, and P.A. Reed	ADB354139
ERDC/GSL TR-09-22	Jul 2009	Laboratory Characterization of Cor-Tuf Concrete With and Without Steel Fibers, by E.M. Williams, S.S. Graham, P.A. Reed, and T.S. Rushing	ADA509343
¹ ERDC/GSL TR-09-23	Jul 2009	Laboratory Characterization of Near-Surface Soils from the AAA Iraq Site, by E.M. Williams, J.E. Windham, S.S. Graham, and P.A. Reed	ADB354140
ERDC/GSL TR-09-24	Aug 2009	Evaluation of Supa-Trac Matting for Expeditionary Roads, by T.W. Rushing, J.S. Tingle, T.J. McCaffrey, and T.S. Rushing	
ERDC/GSL TR-09-25	Aug 2009	Analysis of Long Wave Infrared (LWIR) Soil Data to Predict Reflectance Response, by J.E. Simms, E.S. Berney IV, D.W. Harrelson, M.K. Corcoran, and R.M. Castellane	ADA508400
ERDC/GSL TR-09-26	Aug 2009	Evaluation of Ultra High Molecular Weight (UHMW) Polyethylene Panels for Aircraft Arresting Systems, by E.R. Brown	ADA508608
¹ ERDC/GSL TR-09-27	Aug 2009	Laboratory Characterization of Test-bed Soils for the Eglin AFB Experiments with Multiple Detonations of OF-540 Projectiles, by E.M. Williams, J.E. Windham, S.S. Graham and P.A. Reed	ADB354141

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¹ ERDC/GSL TR-09-28	Sep 2009	Experimental Results for Explosive Depth of Burst Test Series on Dry Biological Simulant (BT); Tests DOB-1 Through -5, Repeat and Calibration Tests, by P.W. Graham and G.E. Albritton	
¹ ERDC/GSL TR-09-29	Sep 2009	Laboratory Characterization of Near-Surface Soils from the AAB Iraq Site, by E.M. Williams, J.E. Windham, S.S. Graham and P.A. Reed	ADB354109
¹ ERDC/GSL TR-09-30	Sep 2009	Laboratory Characterization of Test-bed Soils for the Eglin AFB Experiments with a Single Chinese 122-mm Projectile, by E.M. Williams, J.E. Windham, S.S. Graham and P.A. Reed	ADB354112
¹ ERDC/GSL TR-09-31	Sep 2009	Laboratory Characterization of Test-bed Soils for the Aberdeen Test Center Experiments with an OF-540 Projectile, by E.M. Williams, S.S. Graham and P.A. Reed	ADB354168
¹ ERDC/GSL TR-09-32	Sep 2009	Laboratory Characterization of Near-Surface Soils from the AAD Iraq Site, by E.M. Williams, J.E. Windham, S.S. Graham and P.A. Reed	ADB354111
¹ ERDC/GSL TR-09-33	Sep 2009	Improving Air Delivery Capability Against Protective Structures (IACAPS), Phase 2, by R.G. Rhett, Jr., J.Q. Ehrgott, Jr., J.G. Averett, J.D. Cargile, J.W. Hall III, and T.A. Waddell	ADB353940
ERDC/GSL TR-09-35	Oct 2009	Quasi-static High Strength Low-Alloy Vanadium Steel Reinforced Concrete Slab Experiments, by S.D. Robert, C.F. Johnson, and S.C. Woodson	
ERDC/GSL TR-09-36	Oct 2009	Cyclic Plate Testing of Geogrid-Reinforced Highway Pavements, by S.R. Jersey and J.S. Tingle	
¹ ERDC/GSL TR-09-37	Nov 2009	Anchor Evaluation for Vehicle Affresting System, by C.A. Gartrell, M. Mejias-Santiago, and R.B. Freeman	
¹ ERDC/GSL TR-09-38	Dec 2009	Mobility Comparison of MRAP, ASV, and Up-Armored HMMWV Operating in Select Areas of Iraq, by G.L. Mason, E.A. Baylot, B.L. Wojtysiak, S.A. Zweidler, P. Melick, N.C. Goerger, P.W. Richmond, and J.G. Green	ADB356073
ERDC/GSL TR-09-39	Dec 2009	Development of Ndesign Criteria for Using the Superpave Gyratory Compactor to Design Asphalt Pavement Mixtures for Airfields, by J.F. Rushing	

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¹ ERDC/GSL TR-10-3	Jan 2010	Project WATER HAZARD: Scale-Model Studies of the Responses of Water-Backed Earthen Embankments to Explosive Attack, by D.D. Rickman	ADB357120
¹ ERDC/GSL TR-10-4	Mar 2010	Susceptibility of Modified Fiberglass-Reinforced Polyester Matting System to Aircraft Jet Blast, by H.P. Bell, C.F. Johnson, J.S. Tingle, and Q. Mason	ADB358142
¹ ERDC/GSL TR-10-5	Mar 2010	Evaluation of Foam Backfill Technologies for Crater Repair, by L.P. Priddy, M. Mejias-Santiago, and J.F. Rowland	
¹ ERDC/GSL TR-10-6	Jul 2010	Numerical Simulations of Cratering Effects in Embankment Dams, by B.J. Armstrong, S.A. Akers, L.K. Davis, R.J. Moral, Y. Seda-Sanabria, and E.E. Matheu	
ERDC/GSL TR-10-7	Mar 2010	Tactical Wheeled Vehicle Survivability: Results of Experiments to Quantify Aboveground Impulse, by J.Q. Ehrgott, Jr.	ADA521275
¹ ERDC/GSL TR-10-8	Mar 2010	Laboratory Characterization of Near-Surface Soils from the AAC Iraq Site, by E.M. Williams, J.E. Windham, S.S. Graham, and P.A. Reed	ADB360544
¹ ERDC/GSL TR-10-9	Apr 2010	Large-Scale 10 CBR Prototype Mat System Evaluation for the AMX Program, by T.W. Rushing	
¹ ERDC/GSL TR-10-10	Apr 2010	Development of the Modular Protective System: Validation of Protection from Direct Fire, Indirect Fire, and Bare Charge Threats, by W.F. Heard, R.N. Boone, M.J. Roth, P.G. Kinnebrew, and B.P. Durst	
¹ ERDC/GSL TR-10-11	Apr 2010	Experimental Results for the Roof Venting Comparison Series Tests 1-4 and the Roof Debris Drop Series Tests 1-5, by P.W. Graham, L.D. Garrett, and G.E. albritton	
¹ ERDC/GSL TR-10-12	May 2010	Development of a Simplified Embankment Cratering Model, by L.K. Davis	
¹ ERDC/GSL TR-10-13	May 2010	X-FLEX™ Retrofit: Results from Full-Scale Explosive Experiments, by C.F. Johnson, D.R. Coltharp, J.L. Davis, and P.G. Kinnebrew	
ERDC/GSL TR-10-14	Jun 2010	Certification Tests on Cold Patch Asphalt Repair Materials for Use in Airfield Pavements, by M. Mejías-Santiago, F. del Valle-Roldán, and L.P. Priddy	ADA523874

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¹ ERDC/GSL TR-10-15	Jun 2010	Tactical Wheeled Vehicle Survivability: Construction and Characterization of Dry Sand Testbeds in Bare Charge Experiments, by J.Q. Ehr Gott Jr., E.M. Williams, J.E. Windham, S.A. Akers, M.D. Adley, S.S. Graham, and P.A. Reed	ADB360756
¹ ERDC/GSL TR-10-16	Jun 2010	Tactical Wheeled Vehicle Survivability: Construction and Characterization of Intermediate-Air-Voids, Silty Sand Testbeds in Bare Charge Experiments, by J.Q. Ehr Gott Jr., E.M. Williams, J.E. Windham, S.A. Akers, M.D. Adley, S.S. Graham, P.A. Reed and T.A. Waddell	ADB360830
¹ ERDC/GSL TR-10-17	Jun 2010	Tactical Wheeled Vehicle Survivability: Construction and Characterization of Wet Clay Testbeds in Bare Charge Experiments, by J.Q. Ehr Gott Jr., E.M. Williams, J.E. Windham, S.A. Akers, M.D. Adley, S.S. Graham, and P.A. Reed	ADB360757
¹ ERDC/GSL TR-10-18	Jun 2010	Experimental and Computational Study of Damage to Navigation Lock Walls from Water-Side Attack, Fiscal Year 2007 Program, by G.W. McMahon, J.L. O'Daniel, R.E. Walker, and C.T. Sullivan	
ERDC/GSL TR-10-19	Jun 2010	Field Testing and Load Rating of the World's First Thermoplastic Bridge: Bridge T-8518, Camp Mackall, Fort Bragg, North Carolina, by B. Commander and H. Diaz-Alvarez	
¹ ERDC/GSL TR-10-20	Jul 2010	Field Evaluation of the Navy Foam Dispenser for Threat Munition Crater Repair, by J.D. Kyzar, L.P. Priddy, and J.F. Rowland	
¹ ERDC/GSL TR-10-21	Jul 2010	Centrifuge Model Tests of Blast Effects on Gravity Dams, by W. Vanadit-Ellis, L.K. Davis, and R.E. Walker	
¹ ERDC/GSL TR-10-22	Jul 2010	Experimental and Computational Study of Damage to Navigation Lock Walls from Water-Side Attack, Fiscal Year 2009 Program, by C.T. Sullivan, J.L. O'Daniel, R.E. Walker, T.L. Bevins and T.S. Oesch	
¹ ERDC/GSL TR-10-23	Jul 2010	Physical Properties of Disturbed Soils, by E.S. Berney, IV and C. Roig-Silva	
¹ ERDC/GSL TR-10-24	Aug 2010	Underground Reservoir Damage Model for the BVA Tool, by J.A. Rullan-Rodriguez, R.E. Walker, W.M. Hossley, and G.W. McMahon	

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¹ ERDC/GSL TR-10-25	Aug 2010	Physical Screening Protection Rapid Technology Transition Project: Limited User Assessments and Deployability Evaluation, by O.G. Flores, R.N. Boone, M.J. Roth, T.R. Slawson, W.F. Heard, and J.W. Stevens	
¹ ERDC/GSL TR-10-26	Aug 2010	Numerical Simulations of 1/10th-Scale Embankment Cratering Experiments, by B.J. Armstrong and S.A. Akers	
ERDC/GSL TR-10-27	Aug 2010	Tactical Wheeled Vehicle Survivability: Comparison of Explosive-Soil-Air-Structure Simulations to Experiments Using the Impulse Measurement Device, by R.J. Moral, K.T. Danielson, and J.Q. Ehrigott, Jr.	ADA539413
¹ ERDC/GSL TR-10-28	Aug 2010	Investigation into the Material Requirements for Mitigation of Indirect Fire Fragmentation from 82-mm and 120-mm Mortars, by M.J. Roth, R.D. Stinson, T.K. Cummins, B.P. Durst, and P.G. Kinnebrew	
¹ ERDC/GSL TR-10-29	Aug 2010	Investigation into the Effectiveness of Airblast Initiation of Point-Detonating Mortar Fuzes: Scoping Calculations and Proof-of-Concept Experiments, by T.E. McGill, T.K. Cummins, N.R. Boone, M.J. Roth, T.R. Slawson, B.P. Durst, and P.G. Kinnebrew	
¹ ERDC/GSL TR-10-30	Aug 2010	An Engineering Synthesis of Bridge Load Capacities Within the Country of Turkey, by R.D. Whitlow, W.N. Marianos, Jr., and J.C. Ray	
ERDC/GSL TR-10-31	Aug 2010	Controlling Sulfate Attack in Mississippi Department of Transportation Structures, by C.A. Weiss, Jr., M.C. Sykes, T.S. Poole, J.G. Tom, B.H. Green, B.D. Neeley, and P.G. Malone	ADA529748
¹ ERDC/GSL TR-10-32	Aug 2010	Development of a Simplified Blast Damage Prediction Model for Gravity Dams, by L.K. Davis	
¹ ERDC/GSL TR-10-33	Sep 2010	Physical Screening Protection Rapid Technology Transition Project: Direct and Indirect Fire Performance Evaluation, by O.G. Flores, R.N. Boone, M.J. Roth, T.R. Slawson, W.F. Heard, and R.E. Magee, Jr.	
ERDC/GSL TR-10-34	Sep 2010	Advanced Airfield Damage Repair Equipment Testing, by M.C. Edwards	

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¹ ERDC/GSL TR-10-35	Sep 2010	Mobility Performance Test Results for a Segmented Rubber Band Track Concept at 29 Tons Gross Vehicle Weight, by J.D. Priddy and B.W. Towne	
¹ ERDC/GSL TR-10-36	Sep 2010	X-FLEX™ Retrofit: Results from Subscale Static and Dynamic Experiments, by C.F. Johnson, J.L. Davis, D.R. Coltharp, B.P. Durst and L.L. Smith	
ERDC/GSL TR-10-37	Sep 2010	Load Rating of the Lahontan Arch Spillway Bridge at Fallon, NV, by H. Díaz-Álvarez and O. Carrasquillo-Franco	ADA531953
ERDC/GSL TR-10-38	Sep 2010	Laboratory and Field Evaluation of Dust Abatement Products for Expedient Helipads, by L. Edwards, J.S. Tingle, and Q. Mason	ADA530105
¹ ERDC/GSL TR-10-41	Sep 2010	Numerical Simulations of Embankment Dam Cratering Effects, by B.J. Armstrong, E. Ruiz, S.A. Akers, and R.J. Moral	
¹ ERDC/GSL TR-10-42	Sep 2010	Experimental Results for Bimodal Droplet Test Series: Tests 1-20 and PT1, by P.W. Graham, G.E. Albritton and L.W. Stockham	
¹ ERDC/GSL TR-10-43	Sep 2010	Numerical Simulations of Gravity Dams Subjected to Underwater Explosive Attacks, by R.S. Browning IV, J.L. O'Daniel, and R.E. Walker	
ERDC/GSL TR-10-44	Oct 2010	Emergency Gap Closures, by J.A. Padula, D.D. Abraham, and K.L. Haskins	
¹ ERDC/GSL TR-10-45	Oct 2010	Development of Damage Prediction Models for Navigation Locks and Spillways, by J.A. Rullan-Rodriguez, W.M. Hossley, and R.E. Walker	
ERDC/GSL TR-10-46	Oct 2010	Laboratory Investigation of the Characterization of Cor-Tuf Flexural and Splitting Tensile Properties, by M.J. Roth, T.S. Rushing, O.G. Flores, D.K. Sham, and J.W. Stevens	ADA531863
ERDC/GSL TR-10-48	Nov 2010	Field Testing and Load Rating of a Short-Span Thermoplastic Bridge System, Bridge T-8519, by B. Commander and H. Diaz-Alvarez	ADA532411
¹ ERDC/GSL TR-10-49	Nov 2010	Characterization of Near-Surface Soils from the GM1 Afghanistan Site, by H.B. Beatty, S.S. Graham, P.A. Reed, S.A. Akers, M.D. Adley, E.M. Williams, and J.E. Windham	ADB365722

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¹ ERDC/GSL TR-10-50	Nov 2010	Physical Screening Protection Rapid Technology Transition Project: Bare Charge Performance Evaluation, by O.G. Flores, R.N. Boone, M.J. Roth, T.R. Slawson, W.F. Heard, and J.W. Stevens	
ERDC/GSL TR-10-51	Nov 2010	The Advanced Fundamental Concrete (AFC) Model, by M.D. Adley, A.O. Frank, K.T. Danielson, S.A. Akers, and J.L. O'Daniel	
ERDC/GSL TR-10-52	Dec 2010	Load Rating of Rock Island Bridge 00275, by S.B. Garner and H. Diaz-Alvarez	
¹ ERDC/GSL TR-10-53	Dec 2010	Numerical Simulations of Embankment Cratering Mitigation Methods, by S.A. Akers, R.J. Moral, N.T. Williams, and A.O. Frank	
¹ ERDC/GSL TR-10-54	Dec 2010	Performance Validation of CENTCOM Nonstandard Rood Designs Exposed to Indirect Fire Weapons' Effects, by P.M. Kieffer and B.W. Bullock	
¹ ERDC/GSL TR-11-1	Jan 2011	Live-Flight Certification Testing of Deployable Crater Repair Technologies, by L.P. Priddy, T.W. Rushing and J.S. Tingle	
¹ ERDC/GSL TR-11-2	Jan 2011	Development and Testing of Mitigation Measures for Damage to Earthen Embankments from Explosive Attack: Results from Screening Experiments, by R.G. Rhett, Jr., D.D. Rickman, and J.W. Hall, III	
¹ ERDC/GSL TR-11-3	Feb 2011	The Geological Component of Subsurface Construction in Central and Western Asia: Islamabad, Pakistan; Baghdad, Iraq; Tehran, Iran; and Kabul, Afghanistan, by B.D. Haugen and L.D. Wakeley	
¹ ERDC/GSL TR-11-5	Feb 2011	Construction, Quality Control, and Characterization of ATC Testbed Soil, by J.Q. Ehrigott, Jr., R.G. Rhett, Jr., A.J. Johnston, C.D. Walters, H.B. Beatty, P.A. Reed, M.D. Adley, and J.E. Windham	ADB402711
¹ ERDC/GSL TR-11-6	Feb 2011	Development and Optimization of Contact Charges to Produce Cleared Openings in Reinforced Concrete Walls, by T.W. Shelton, J.Q. Ehrigott, Jr., D.D. Rickman, and S.A. Akers	

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¹ ERDC/GSL TR-11-7	Feb 2011	Live-Flight Certification Testing of CRATR Technologies, Avon Park Air Force Range, Florida, by L.P. Priddy, J.R. Griffin, and J.S. Tingle	
ERDC/GSL TR-11-8	Mar 2011	Brick Paving Systems in Expeditionary Environments: Laboratory Testing, by H. Bell	
¹ ERDC/GSL TR-11-9	Mar 2011	Evaluation of the Tri-Max 280 Fire Suppression System Against Class A Grass and Brush Fires, by P.G. Bly and J.S. Tingle	
¹ ERDC/GSL TR-11-10	Mar 2011	Relationship Between Composition Properties and High-Pressure Properties Used for Constitutive Modeling of Earthen Dams, by E. Ruiz, J.E. Windham, S.A. Akers, and O. Carrasquillo	
¹ ERDC/GSL TR-11-11 Rep. 1	Mar 2011	Validation of Numerical Modeling and Analysis of Steel Bridge Towers Subjected to Blast Loadings. Report 1: Series 1 tests, by R.E. Walker, J.C. Ray, L.A. Walker, and J.K. Minor	
¹ ERDC/GSL TR-11-11 Rep. 2	Mar 2011	Validation of Numerical Modeling and Analysis of Steel Bridge Towers Subjected to Blast Loadings. Report 2: Series 2 tests, by R.E. Walker, J.C. Ray, L.A. Walker, and J.K. Minor	
¹ ERDC/GSL TR-11-11 Rep. 3	Mar 2011	Validation of Numerical Modeling and Analysis of Steel Bridge Towers Subjected to Blast Loadings. Report 3: Series 3 tests, by R.E. Walker, J.C. Ray, L.A. Walker, and J.K. Minor	
¹ ERDC/GSL TR-11-11 Rep. 4	Mar 2011	Validation of Numerical Modeling and Analysis of Steel Bridge Towers Subjected to Blast Loadings. Report 4: Series 4 tests, by R.E. Walker, J.C. Ray, L.A. Walker, and J.K. Minor	
¹ ERDC/GSL TR-11-12	Mar 2011	Small-Scale Prototype Mat System Evaluation for the AMX Program: Second Developmental Test of Prototype Mat Systems, by T.W. Rushing, H.P. Bell, and J.S. Tingle	
ERDC/GSL TR-11-13	Apr 2011	Development of Laboratory Testing Criteria for Evaluating Cementitious, Rapid-Setting Pavement Repair Materials, by L.P. Priddy	ADA542116
¹ ERDC/GSL TR-11-14	Apr 2011	Physical Screening Protection Rapid Technology Transition Project: Shoulder-Fired Rocket Performance Evaluation, by O.G. Flores. R.N. Boone, M.J. Roth, T.R. Slawson, W.F. Heard, and R.W. Wayne	

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¹ ERDC/GSL TR-11-15	Apr 2011	Field Evaluation of Threat Munition Crater Repairs for Enduring Route Remediation, by L.P. Priddy, J.S. Tingle, J.D. Kyzar, and J. Rowland	
¹ ERDC/GSL TR-11-16	Apr 2011	Characterization of Near-Surface Soils from GA1 Afghanistan Site, by H.B. Beatty, S.S. Graham, P.A. Reed, S.A. Akers, M.D. Adley, and J.E. Windham	ADB370538
¹ ERDC/GSL TR-11-17	Apr 2011	Characterization of Near-Surface Soils from the GB1 Afghanistan Site, by H.B. Beatty, S.S. Graham, P.A. Reed, S.A. Akers, M.D. Adley, T.A. Waddell, and J.E. Windham	ADB370561
¹ ERDC/GSL TR-11-18	May 2011	Experimental Results for the Accuracy of Mass Out-Flow Determined by Sampling: Phase 1 Test Series: Tests 1-15, by P.W. Graham, S.C. Foster, G.E. Albritton, L.W. Stockham, and W.R. Seebaugh	
¹ ERDC/GSL TR-11-19	May 2011	Characterization of Near-Surface Soils from the GS1 Afghanistan Site, by H.B. Beatty, S.S. Graham, P.A. Reed, S.A. Akers, M.D. Adley, and J.E. Windham	ADB371339
¹ ERDC/GSL TR-11-20	May 2011	Long-Term Performance Evaluation of Asphalt Surface Treatments: Year One Evaluations, by A.J. Falls and J.F. Rushing	
¹ ERDC/GSL TR-11-21	May 2011	Characterization of Near-Surface Soils from the GT1 Afghanistan Site, by H.B. Beatty, S.S. Graham, P.A. Reed, S.A. Akers, M.D. Adley, and J.E. Windham	ADB371347
¹ ERDC/GSL TR-11-22	Jun 2011	PARALLAX PLUS: Follow-on Testing of the Response of the PARALLAX Earthen Embankment to Explosive Attacks, by D.D. Rickman, R.G. Rhett, Jr., and J.W. Hall, III	
ERDC/GSL TR-11-24	Aug 2011	Evaluation of Bridges Subjected to Military Loading and Dynamic Hydraulic Effects: Review of Design Regulations, Selection Criteria, and Inspection Procedures for Bridge Railing Systems, by A.M. Figueroa, E. Negrón, G. Portela, R.N. González-Rivera, H. Díaz-Álvarez, and G.I. Velázquez	ADA548121
¹ ERDC/GSL TR-11-25	Aug 2011	Remote Detection of Ultra-Light Aircraft (ULAC): Persistent Ground Detection of Ultra Light Aircraft, by M. McKenna, C.P. Simpson, J. Dibiase, J. McKenna, P. Ainsleigh, and S. Sloan	

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ERDC/GSL TR-11-26	Aug 2011	The High-Rate-Brittle (HRB) Microplane Concrete Model, by A.O. Frank, M.D. Adley, K. Danielson, J. O'Daniel, and C. Ertle	
ERDC/GSL TR-11-27	Aug 2011	Minimum Thickness Requirements for Asphalt Surface Course and Base Layer in Airfield Pavements, by W.R. Barker, A. Bianchini, E.R. Brown, and C.R. Gonzalez	ADA548676
ERDC/GSL TR-11-28	Aug 2011	Influence of Soil Properties on the Aboveground Blast Environment from a Near-Surface Detonation, by J.Q. Ehrgott, Jr.	
ERDC/GSL TR-11-29	Aug 2011	Laboratory Characterization of Talley Brick, by H.B. Beatty, S.S. Graham, E.M. Williams, and P.A. Reed	ADA549201
¹ ERDC/GSL TR-11-30	Aug 2011	Characterization of Near-Surface Soils from the GQ1 Afghanistan Site, by H.B. Beatty, S.S. Graham, P.A. Reed, S.A. Akers, M.D. Adley, and J.E. Windham	ADB372960
¹ ERDC/GSL TR-11-31	Aug 2011	Characterization of the Near-Surface Soil Backfill from the CUL1 Dormant Thunder Trench, by H.B. Beatty, S.S. Graham, P.A. Reed, S.A. Akers, M.D. Adley, T.A. Waddell, and J.E. Windham	ADB372959
¹ ERDC/GSL TR-11-32	Aug 2011	Characterization of Near-Surface Soils from the GH1 Afghanistan Site, by H.B. Beatty, S.S. Graham, P.A. Reed, S.A. Akers, M.D. Adley, and J.E. Windham	ADB372966
ERDC/GSL TR-11-33	Sep 2011	Analysis and Load Rating of Pre-flex Composite Beams, by G. Portela, U. Barajas, and J.A. Albarran-Garcia	ADA550595
¹ ERDC/GSL TR-11-34	Sep 2011	Intermediate Scale Gravity Dam Test Plan Investigation and Numerical Modeling Support, by J.L. O'Daniel, R.S. Browning, and R.E. Walker	
ERDC/GSL TR-11-35	Sep 2011	A Multiscale Meshfree Approach for Modeling Fragment Penetration into Ultra High-Strength Concrete, by J.S. Chen, S.W. Chi, C.H. Lee, S P. Lin, C. Marodon, M.J. Roth, and T.R. Slawson	ADA548938
¹ ERDC/GSL TR-11-36	Sep 2011	Field-Prepared Rapid-Setting Concretes: Phase I, Laboratory Testing, by B.A. Williams, L.P. Priddy, and P.G. Bly	
¹ ERDC/GSL TR-11-37	Sep 2011	Large-Scale 6-CBR Prototype Mat System Evaluation for the AMX Program, by T.W. Rushing, L. Garcia, and Q.S. Mason	

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ERDC/GSL TR-11-38	Sep 2011	An Evaluation of the Effect of Soil Parameters on Explosive Cratering: Results and Analyses of Intermediate-Scale Tests, by D.D. Rickman, R.G. Rhett, Jr., S.A. Akers, J.W. Hall, III, and J.E. Windham	
¹ ERDC/GSL TR-11-39	Oct 2011	Numerical Modeling of Impulse Measurement Device Tests Involving a Clay Backfill (Tests BM-C-01 through -05), by G.C. Bessette and J.R. Britt	
¹ ERDC/GSL TR-11-40	Oct 2011	Assessment of the Vulnerability of Cable Bundles of Cable-Stayed Bridges to Explosive Threats, by V.P. Chiarito, J.C. Ray, P. Papados, C.P. Rabalais, T.G. Coleman, P.J. O'Connor, and E.M. Weinstein	
ERDC/GSL TR-11-41	Sep 2011	Evaluation of Nondestructive Methods for Determining Pavement Thickness, by L. Edwards and Q. Mason	ADA552103
ERDC/GSL TR-11-42	Nov 2011	Device Comparison for Determining Field Soil Moisture Content, by E.S. Berney IV, J.D. Kyzar, and L.O. Oyelam	ADA552792
¹ ERDC/GSL TR-11-43 Rep. 1	Nov 2011	Culvert End Treatments for the Denial of Culvert-Emplaced IEDs. Report 1: Investigation of Type I, II, and III Denial Devices, by K.L. Haskins, J.C. Ray, C.J. Eckert, S.P. Rowell, J.R. McKenna, and M.D. O'Neill	
¹ ERDC/GSL TR-11-43 Rep. 2	Apr 2012	Culvert End Treatments for the Denial of Culvert-Emplaced IEDs. Report 2: Investigation of Type 1A Denial Devices, by K.L. Haskins, J.C. Ray, J.R. McKenna, and M.D. O'Neill	ADB387969
¹ ERDC/GSL TR-12-1 Rep. 1	Jan 2012	Asphalt Surface Treatments. Report 1: Product Placement and Evaluation, by J.F. Rushing, W.D. Hodo, A.J. Falls, and C.B. Andrews	
¹ ERDC/GSL TR-12-2	Jan 2012	Mitigation of Hand-Emplaced Threats to Steel Cables and Structural Steel Members, by J.C. Ray, V.P. Chiarito, and S.L. Kinnebrew	
ERDC/GSL TR-12-3	Feb 2012 Rev. Dec 2013	Evaluation of Warm-Mix Asphalt Technologies for Use on Airfield Pavements, by M. Mejías-Santiago, J.D. Doyle, I.L. Howard, and E.R. Brown	ADA590558

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¹ ERDC/GSL TR-12-6	Mar 2012	Development of the Modular Protective System Overhead Cover: Evaluation and Validation of Protection from Indirect-Fire Threats, by O.G. Flores, O. Esquilin-Mangual, R.N. Boone, D.K. Sham, J.A. Sherburn, D.H. Nelson, W.F. Heard, T.R. Slawson, and M.J. Roth	
¹ ERDC/GSL TR-12-7	Mar 2012	Development and Testing of Innovative Repair Materials for Blast Mitigation Application on Navigation Lock Walls: Use of Shock-Absorbing Concrete (SACON®), by C.A. Weiss, Jr., R.W. Haskins, B.E. Walker, B.H. Green, B.H. Sherwin, J. Morson, and K.E. Walker	
¹ ERDC/GSL TR-12-8	Mar 2012	Vulnerability of Reinforced Concrete Cable-Stayed Bridge Tower Walls to Vehicle-Borne Improvised Explosive Devices. Test Series 1, Baseline Vulnerability Tests, by V.P. Chiarito, J.K. Minor, R.E. Walker, J.C. Ray, D.C. Guynes, and S.A. Kiger	
ERDC/GSL TR-12-9	Mar 2012	Defining Soil Materials for 3-D Models of the Near Surface: Preliminary Findings, by C. Roig-Silva, B.D. Haugen, and L.D. Wakeley	ADA558519
¹ ERDC/GSL TR-12-10	Mar 2012	An Elastic-Plastic Material Model for Concrete under High Rate Impulsive Loads: Modeling, Implementation, and Testing of the High Rate Brittle (HRB) Concrete Model, by A.O. Frank	ADB379136
¹ ERDC/GSL TR-12-11	Mar 2012	Field Prepared Rapid-Setting Concretes: Phase II, Field Testing, by L.P. Priddy, P.G. Bly, J.F. Rowland, and B.A. Williams	ADB392015
¹ ERDC/GSL TR-12-12	Mar 2012	Long-Term Performance Evaluation of Asphalt Surface Treatments: Year Two Evaluations, by A.J. Falls and J.F. Rushing	ADB385956
ERDC/GSL TR-12-13	Mar 2012	Structure-Property Relationships of Steel Cylindrical Shells, by R.G. Hidalgo-Hernandez, P.G. Allison, B.A. Williams, L.A. de Béjar, W.S. Hart, and J. Morson	ADA559001
¹ ERDC/GSL TR-12-14	Apr 2012	Evaluation of WebCore Prototype AMX Mat System, by L. Garcia, T.W. Rushing, and Q.S. Mason	ADB387970
ERDC/GSL TR-12-15	Apr 2012	Pavement-Transportation Computer Assisted Structural Engineering (PCASE) Implementation of the Modified Berggren (ModBerg) Equation for Computing the Frost Penetration Depth within Pavement Structures, by A. Bianchini and C.R. Gonzalez	ADA559915

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ERDC/GSL TR-12-16 Rep. 1	Apr 2012	Reformulation of the CBR Procedure. Report 1: Basic Report, by C.R. Gonzalez, W.R. Barker, and A. Bianchini	ADA559867
ERDC/GSL TR-12-16 Rep. 2	Dec 2013	Reformulation of the CBR Procedure. Report 2: Design, Construction, and Behavior Under Traffic of the Pavement Test Sections, by C.R. Gonzalez, W.R. Barker, and A. Bianchini	ADA591764
ERDC/GSL TR-12-17	Apr 2012	Predicting Coarse Sediment Transport from Patchy Beds in Ephemeral Channels, by B.T. Yuill	ADA559289
ERDC/GSL TR-12-18	Apr 2012	Comparison of MO-Mat and Prototype Replicas for Expeditionary Roads, by T.W. Rushing and J.F. Rowland	
¹ ERDC/GSL TR-12-19	May 2012	Passive Protection Baseline Demonstration and Performance Evaluation Experiments, by O.G. Flores, D.K. Sham, C.D. Price, O. Esquilin-Mangual, B.A. Jones, B.A. Steed, T.E. McGill, M. Edwards, R.N. Boone, and B.W. Bullock	ADB392166
ERDC/GSL TR-12-20	May 2012	Determining the Effective Modulus of Subgrade Reaction for Design of Rigid Airfield Pavements Having Base Layers, by W.R. Barker, and D.R. Alexander	
¹ ERDC/GSL TR-12-21	Jun 2012	Tactical Wheeled Vehicle Survivability: Results of Experiments to Quantify Effects of Charge Depth of Burial and Soil Type on Aboveground Impulse, by G.K. Doles, J.Q. Ehrgott Jr., J.R. Holmes, and J.E. Windham	ADB382394
¹ ERDC/GSL TR-12-22	Jun 2012	Parametric Study of Innovative Materials Used for Blast Mitigation, by B.W. Foust and T.S. Oesch	ADB392165
¹ ERDC/GSL TR-12-23	Jun 2012	Small Scale Tunnel Vulnerability Experiments, by B.W. Foust, J.T. Baylot, R.A. Weed, and T.S. Oesch	ADB392122
ERDC/GSL TR-12-24	Jul 2012	Brick Paving Systems in Expeditionary Environments: Field Testing, by H.P. Bell and Q. Mason	ADA571165
¹ ERDC/GSL TR-12-25	Jul 2012	Structured-Materials (Struc'dMats) Design Concept and Its Application for Protective Structures Panels: Blast and Sequenced Ballistic-Blast Testing, by BP. DiPaolo, C.F. Johnson, B.H. Green, W.S. Hart, R.E. Magee, and B.A. Robbins	ADB392240

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ERDC/GSL TR-12-26	Jul 2012	Laboratory Characterization of Adobe (Scottsdale), by H.B. Beatty, S.S. Graham, R.E. Moxley, S.A. Akers, and P.A. Reed	ADA564210
ERDC/GSL TR-12-28	Aug 2012	Patterned Non-affine Motion in Granular Media, by J.F. Peters and L.E. Walizer	
¹ ERDC/GSL TR-12-29	Aug 2012	A Route Corridor Flood Vulnerability System, by G.B. McKinley, M.L. Follum, M.R. Jourdan, G.L. Mason, C.W. LaHatte, and J.D. Ellis	ADB392141
ERDC/GSL TR-12-30	Aug 2012	Modeling Nanomechanical Behavior of Calcium-Silicate-Hydrate, by M.Q. Chandler, J.F. Peters, and D. Pelessone	ADA572605
¹ ERDC/GSL TR-12-31	Aug 2012	Penetration Modeling and Simulation of a Shoulder-Fired Munition Using the High Rate Brittle (HRB) Concrete Model, by A.O. Frank and R.E. Moxley	ADB382834
¹ ERDC/GSL TR-12-32	Sep 2012	Evaluation of Faun Aluminum Mat Systems, by T.W. Rushing, L. Garcia, and Q.S. Mason	
¹ ERDC/GSL TR-12-33	Nov 2012	Measurement of Close-In Airblast Pressures and Impulses Resulting from the Detonation of Homemade Explosives, by T.S. Oesch, J.R. Britt, B.E. Walker, G.C. Bessette, and G.W. McMahon	ADB388137
¹ ERDC/GSL TR-12-34	Dec 2012	Rogue Wave: Scale-Model Studies of Explosive Attacks on Water-Backed Type II Levees, by D.D. Rickman and R.G. Rhett, Jr.	ADB387353
¹ ERDC/GSL TR-12-35	Dec 2012	Initial Testing of the Loci-Blast Code for Practical Airblast Applications, by G.C. Bessette and J.R. Britt	ADB387360
ERDC/GSL TR-12-36	Dec 2012	User's Manual for Nonlinear Meshfree Analysis Program (NMAP) Version 1.0, by S.W. Chi, C.H. Lee, J.S. Chen, M.J. Roth, and T.R. Slawson	ADA576149
ERDC/GSL TR-12-37	Dec 2012	Structural, Material, and Geotechnical Solutions to Levee and Floodwall Construction and Retrofitting - Physical Modeling, by W. Vanadit-Ellis, E.W. Smith, L.T. Lee, and J.S. Case	ADA576155
ERDC/GSL TR-13-1	Jan 2013	Methodology for Scour Evaluation of US Army Installation Bridges: A Proposed Evaluation for Scour Risk and Channel Instability, by D. Suazo-Davila, W. Silva-Araya, and J. Rivera-Santos	ADA576130

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¹ ERDC/GSL TR-13-3	Mar 2013	Arc-of-Instability and Combatant Command Terrain Geostatistics and Ground Vehicle Mobility Predictions, by E.A. Baylot, M.T. Stevens, J.A. Patterson, G.M. Brandon, and J.G. Green	
¹ ERDC/GSL TR-13-4	Mar 2013	Physical Property Influence on Ballistic Resistance of Ultra-High Performance Concrete Panels, by J.F. Burroughs, T.S. Rushing, N. Boone, and R.E. Magee, Jr.	ADB391078
ERDC/GSL TR-13-5	Mar 2013	A Computational Model to Simulate Groundwater Seepage Risk in Support of Geotechnical Investigations of Levee and Dam Projects, by B.T. Yuill and C.M. Roig-Silva	ADA583073
ERDC/GSL TR-13-6	Mar 2013	Non-Nuclear Alternatives to Monitoring Moisture-Density Response in Soils, by E.S. Berney IV, M. Mejías-Santiago, and J.D. Kyzar	ADA583071
ERDC/GSL TR-13-7	Apr 2013	Investigation of Lift Bonding for Roller-Compacted Concrete with Low Normal Loads at Variable Placement Times, by B.A. Williams, B.H. Green, R.A. Andreatta, J.A. Morson, M.K. Taylor, K.E. Walker, D.E. Wilson, and W.S. Hart	ADA583065
¹ ERDC/GSL TR-13-8	Apr 2013	Long-Term Performance Evaluation of Asphalt Surface Treatments: 2012 Inspections, by J.F. Rushing, A.J. Falls, and C.B. Andrews	
ERDC/GSL TR-13-9	Apr 2013	Virtual Material Laboratory (VML), Version 1.0: Applications to Advanced Fundamental Concrete (AFC) Model, by M.D. Adley, K.T. Danielson, and A.O. Frank	
¹ ERDC/GSL TR-13-10	Apr 2013	AM2 Sand Subgrade Sensitivity Test, by L. Garcia and T.W. Rushing	ADB392060
¹ ERDC/GSL TR-13-11	Apr 2013	Development of a Safety Factor (SF) Graph for a Damaged and Undamaged Modular Protective System (MPS) Frame Under MPS Overhead Cover (MPS-OHC) Vertical Loads, by O. Esquilin-Mangual, O.G. Flores, D.K. Sham, J. Roberts, W.J. McCleave, R.N. Boone, and T.R. Slawson	ADB392140
¹ ERDC/GSL TR-13-12	Apr 2013	Underbelly Blast Effects: Results of Shallow-Buried 155mm Artillery Shell Experiments, by G.K. Doles, J.Q. Ehr Gott, Jr., and J.E. Windham	

¹ Limited distribution; see Preface.

¹ ERDC/GSL TR-13-13	Apr 2013	Effects of Underwater Bubble Jetting on Dam Structures: Big Black Test Site Larger-Scale Tests, by C.T. Sullivan, J.L. O'Daniel, and R.E. Walker	ADB392126
¹ ERDC/GSL TR-13-14	Apr 2013	M3A1, 40-lb Shaped Charge Penetration Evaluations, by S.E. Robert, J.Q. Ehrgott, Jr., and J.H. Ellison	
ERDC/GSL TR-13-15	Apr 2013	Electromigration and Deposition of Micro-Scale Calcium Carbonate Structures with Controlled Morphology and Polymorphism, by P.G. Allison, R.D. Moser, M.Q. Chandler, O.L. Rodriguez, P.G. Malone, and C.A. Weiss, Jr.	ADA583062
ERDC/GSL TR-13-16	Apr 2013	Synthesis of Carbonate-Based Micro/Nanoscale Particles With Controlled Morphology and Mineralogy, by K. Torres-Cancel, R.D. Moser, C.A. Weiss, Jr., P.G. Allison, M.Q. Chandler, O.R. Rodriguez, and P.G. Malone	ADA583060
ERDC/GSL TR-13-17	Apr 2013	Spatially-Resolved Characterization Techniques to Investigate Impact Damage in Ultra-High Performance Concretes, by R.D. Moser, P.G. Allison, and M.Q. Chandler	ADA581191
¹ ERDC/GSL TR-13-18	Apr 2013	M42 Dual Purpose Improved Conventional Munition (DPICM) Characterization Study, by C.D. Price, T.R. Slawson, J.A. Sherburn, and J.L. Davis	
¹ ERDC/GSL TR-13-19	May 2013	M31 MCEAGS Sand and Weak Soil Installation Trade Study, by G.J. Norwood	
ERDC/GSL TR-13-20	May 2013	Evaluation of a Non-Nuclear Soil Density Gauge on Fine-Grained Soils, by M. Mejías-Santiago, E.S. Berney IV, and C.T. Bradley	ADA581212
¹ ERDC/GSL TR-13-21	Jun 2013	Pendulum Experiments to Investigate Impulse Due to Detonations of Cased and Uncased Charges, by J.E. Payne, J.Q. Ehrgott, Jr., and J.D. Cargile	ADB392284
ERDC/GSL TR-13-22	Jun 2013	Expansive Soil Characterization and Shrink-Swell Behavior Study: Mississippi's Yazoo Clay, by L.T. Lee Jr.	
ERDC/GSL TR-13-23	Jun 2013	Laboratory and Field Evaluation of In-Place Asphalt Recycling Technologies for Small Airfield Repair, by M. Mejías-Santiago, W.D. Carruth, J.C. Petermann, and D.H. Hitzelberger	ADA581214

¹ Limited distribution; see Preface.

ERDC/GSL TR-13-24	Jun 2013	Evaluation of Precast Panels for Airfield Pavement Repair. Phase 1: System Optimization and Test Section Construction, by P.G. Bly, L.P. Priddy, C.J. Jackson, and Q.S. Mason	ADA582186
ERDC/GSL TR-13-24	Sep 2013	Evaluation of Precast Panels for Airfield Pavement Repair. Phase 2: Results of Accelerated Pavement Testing, by L.P. Priddy, P.G. Bly, C.J. Jackson, and T.N. Brogdon	ADA585856
¹ ERDC/GSL TR-13-25	Jul 2013	Comparative Performance Evaluation of Protective Earth-Filled Revetment Systems, Class II Wall 24-Month Evaluation, by D.K.Sham, O.G. Flores, B.W. Bullock, and M.J. Roth	ADB392431
¹ ERDC/GSL TR-13-26	Jul 2013	Comparative Performance Evaluation of Protective Earth-Filled Revetment Systems, Class II Wall 18-Month Evaluation, by D.K.Sham, O.G. Flores, B.W. Bullock, and M.J. Roth	ADB391445
ERDC/GSL TR-13-27	Jul 2013	Full-Scale Evaluation of DuraDeck® and MegaDeck™ Matting Systems, by T.W. Rushing and L. Garcia	ADA583056
¹ ERDC/GSL TR-13-28	Jul 2013	Comparative Performance Evaluation of Protective Earth-Filled Revetment Systems, Class II Wall 12-Month Evaluation, by O.G. Flores, B.W. Bullock, M.J. Roth, and D.K. Sham	ADB392430
¹ ERDC/GSL TR-13-29	Jul 2013	Comparative Performance Evaluation of Protective Earth-Filled Revetment Systems, Class II Wall 6-Month Evaluation, by M.J. Roth, B.W. Bullock, O.G. Flores, and D.K. Sham	ADB392429
¹ ERDC/GSL TR-13-30	Jul 2013	Comparative Performance Evaluation of Protective Earth-Filled Revetment Systems, by M.J. Roth, B.W. Bullock, and O.G. Flores	
ERDC/GSL TR-13-31	Jul 2013	Evaluation of the Air Void Analyzer, by P.G. Bly and L.A. Ventrini	ADA583906
¹ ERDC/GSL TR-13-32	Jul 2013	Cold Weather Crater Repair Testing at Malmstrom Air Force Base, Montana, by L. Edwards, H.P. Bell, W.D. Carruth, J.R. Griffin, and J.S. Tingle	ADB392283
¹ ERDC/GSL TR-13-33	Jul 2013	CRATR Technology Demonstration: Operational Utility Assessment Avon Park Air Force Range, Florida, by L.P. Priddy, J.S. Tingle, J.R. Griffin, M.C. Edwards, and T.J. McCaffrey	ADB392337

¹ Limited distribution; see Preface.

ERDC/GSL TR-13-34	Jul 2013	Minimum Thickness of Concrete Pavement for the F-15 and C-17 Aircraft, by C.R. Gonzalez, W.R. Barker, and A. Bianchini	ADA584018
ERDC/GSL TR-13-35	Aug 2013	Comparing Production and Placement of Warm-Mix Asphalt to Traditional Hot-Mix Asphalt for Constructing Airfield Pavements, by J.F. Rushing, M. Mejías-Santiago, and J.D. Doyle	ADA584033
ERDC/GSL TR-13-36	Aug 2013	HSLA-V Rebar Dynamic Blast Load Experiment, by S.D. Robert, C.F. Johnson, and S.W. Woodson	
¹ ERDC/GSL TR-13-37	Aug 2013	Occupant-Centric Survivability: Results of Experiments to Quantify Effects of Homemade Explosive Charge Depth of Burial and Soil Type on Above-Ground Impulse, by G.K. Doles, J.Q. Ehrgott, Jr., and J.E. Windham	ADB392534
¹ ERDC/GSL TR-13-38	Aug 2013	Development of a Blast Damage Estimation Model for Levee Systems, by L.K. Davis and W.M. Hossley	
¹ ERDC/GSL TR-13-39	Oct 2013	CRATR Technology Demonstration: Limited Operational Utility Assessment 2, Tyndall Air Force Base, Florida, by L.P. Priddy, J.S. Tingle, M.C. Edwards, J.R. Griffin, and T.J. McCaffrey	ADB393913
ERDC/GSL TR-13-40	Dec 2013	Analysis of Barge Impact with Bridge Pier, by A.M. Jordan, R.D. Costley, H. Diaz-Alvarez, M.H. McKenna, and C.P. Simpson	
ERDC/GSL TR-13-41	Dec 2013	Laboratory Performance Testing of Warm-Mix Asphalt Technologies for Airfield Pavements, by J.D. Doyle, J.F. Rushing, M. Mejías-Santiago, T.J. McCaffrey, L.C. Warnock, and M.K. Taylor	ADA590740
¹ ERDC/GSL TR-13-42	Dec 2013	Wet Weather Crater Repair Testing at Silver Flag Exercise Site, Tyndall Air Force Base, Florida, by H.P. Bell, L. Edwards, W.D. Carruth, J.S. Tingle, and J.R. Griffin	
¹ ERDC/GSL TR-14-1	Jan 2014	Nuclear Quadrupole Resonance (NQR) Detector Study, by S.E. Robert, D.P. McInnis, J.R. Fairley, P.J. Durst, E.S. Berney IV, C.A. Barela, R.D. Ellison, and J.H. Ellison	
ERDC/GSL TR-14-2	Jan 2014	Evaluation of Nontraditional Airfield Pavement Surfaces for Contingency Operations, by L.P. Priddy and C.A. Rutland	ADA593915

¹ Limited distribution; see Preface.

ERDC/GSL TR-14-3	Jan 2014	Full-Scale Accelerated Pavement Testing of Warm-Mix Asphalt (WMA) for Airfield Pavements, by M. Mejías-Santiago, J.D. Doyle, and J.F. Rushing	ADA596027
ERDC/GSL TR-14-4	Feb 2014	An Investigation of Concrete Deterioration at South Florida Water Management District Structure S65E, by R.D. Moser, E.R. Gore, C.A. Weiss Jr., J.E. Mirecki, B.H. Green, and R.V. Felice	ADA595038
¹ ERDC/GSL TR-14-5	Feb 2014	Occupant-Centric Survivability: Results of Experiments to Quantify Effects of Soil Parameters on Aboveground Impulse, by G.K. Doles, J.Q. Ehr Gott, Jr., and J.E. Windham	
ERDC/GSL TR-14-6	Mar 2014	CBR-Beta Design Procedure for Aggregate-Surfaced Airfield Pavements, by A. Bianchini and C.R. Gonzalez	ADA597679
¹ ERDC/GSL TR-14-7	Apr 2014	AM2 25 CBR Subgrade Sensitivity Test, by L. Garcia, T.W. Rushing, and Q.S. Mason	ADB399299
ERDC/GSL TR-14-8	Apr 2014	Improved Concrete Cutting and Excavation Capabilities for Crater Repair. Phase 1, by H.P. Bell, L. Edwards, J.F. Rowland, B. Andrews, Q.S. Mason, and C.A. Rutland	ADA599024
ERDC/GSL TR-14-8	May 2015	Improved Concrete Cutting and Excavation Capabilities for Crater Repair. Phase 2, by L. Edwards, H.P. Bell, J.F. Rowland, and C.A. Rutland	ADA618124
¹ ERDC/GSL TR-14-9	Apr 2014	UIUC-DARPA Nonlinear Energy Sink Response to Dynamic Loading Created by Blast, by M.S. Holmer, A.M. Allen, T.S. Oesch, and G. Emmanuelli	ADB399613
ERDC/GSL TR-14-10	Apr 2014	Validation Tests of a Non-Nuclear Combined Asphalt and Soil Density Gauge, by E.S. Berney IV, M. Mejías-Santiago, and J. Beasley	ADA600942
ERDC/GSL TR-14-11	Apr 2014	Field Evaluation of Ultra-High Pressure Water Systems for Runway Rubber Removal, by A.B. Pullen, L. Edwards, C.A. Rutland, and J.S. Tingle	ADA601902
¹ ERDC/GSL TR-14-12	Apr 2014	Evaluation and Demonstration of Systems for Defeat of a High-Velocity Penetrator: Focus Area 1 Single-Layer Systems and Focus Area 4 Multi-Layer Systems, by M.I. Hammons, J.A. Sherburn, J.K. Minor, W. Myers, J.G. Averett, and O. Flores-Perez	ADB400806

¹ Limited distribution; see Preface.

ERDC/GSL TR-14-13	May 2014	Evaluation of Faun MLC-70 Trackway Mat System Under Simulated F-15 Traffic, by T.W. Rushing, L. Garcia, and Q.S. Mason	ADA601345
ERDC/GSL TR-14-14	May 2014	Geotechnical Centrifuge Experiments to Evaluate Piping in Foundation Soils, by D.A. Leavell, J.L. Wibowo, D.E. Yule, and R.C. Strange	ADA602067
ERDC/GSL TR-14-15	Jun 2014	Performance of Geogrid-Stabilized Gravel Flexible Base with Bituminous Surface Treatment, by G.J. Norwood and J.S. Tingle	
¹ ERDC/GSL TR-14-16	Jun 2014	Expeditionary Barrier System: Recommendations on Technical Specifications and First Article Testing, by M.J. Roth, J.F. Burroughs, A.M. Allen, J.L. Williamson, and B.W. Bullock	
ERDC/GSL TR-14-17	Jun 2014	Evaluating the Superpave Option in Unified Facilities Guide Specification 32-12-15.13, Hot Mix Asphalt Airfield Paving, by J.F. Rushing, T.J. McCaffrey, and L.C. Warnock	ADA602781
ERDC/GSL TR-14-18	Jun 2014	Analysis of Lightweight Materials for the AM2 System, by P.G. Allison, T.W. Rushing, and L. Garcia	ADA602783
ERDC/GSL TR-14-19	Jun 2014	Emissions Reductions Associated with the Use of Warm-Mix Asphalt as Compared to Hot-Mix Asphalt, by M. Mejías-Santiago and L.V. Osborn	ADA602786
¹ ERDC/GSL TR-14-20	Jun 2014	Evaluation of Hardened Aircraft Shelter Baseline Design: Focus Area O, Weapon Effects Study, by W.S. Myers, Jr., J.G. Averett, R.E. Moxley, A.A. Armstrong, A.J. Burroughs, R.G. Cooper, J.W. Hall, III, J.D. Cargile, B.L. Henry, J.L. Davis, M.I. Hammons, J.A. Sherburn, T.R. Slawson, and T.A. Waddell	ADB400787
¹ ERDC/GSL TR-14-21	Jun 2014	Mobility Comparison of RG31-A3 MRAP Configurations Operating in Select Areas of Afghanistan, by G.L. Mason, J.G. Green, G.B. McKinley, and J.A. Patterson	ADB401367
¹ ERDC/GSL TR-14-22	Jun 2014	Millimeter-Wave Command Wire (CW) Phenomenology Study, by J.R. Fairley, S.E. Robert, E.S. Berney IV, R.M. Castellane, L.L. Miller, R.D. Ellison, C.A. Barela, and C.T. Bradley	ADB401351

¹ Limited distribution; see Preface.

ERDC/GSL TR-14-23	Jun 2014	Geophysical Surveys for Locating Buried Utilities, Lake Pontchartrain Levees, New Orleans, by J.L. Llopis, J.E. Simms, and G.A. Riddick	ADA605512
¹ ERDC/GSL TR-14-24	Jul 2014	Near Field Airblast Characterization of Hydrogen Peroxide/Sucrose Mixtures, by G. Emmanuelli, B.E. Walker, G.C. Bessette, T.S. Oech, J.R. Britt, S.T. Hardesty, and J.W. Fisher	ADB401511
¹ ERDC/GSL TR-14-25	Jul 2014	Mobility Suitability of MRAP Variants in Selected Worldwide Environments, by J.G. Green, M.T. Stevens, A.P. Joshi, and G.L. Mason	ADB400772
ERDC/GSL TR-14-26	Jul 2014	Expedient Evaluation of Alkali-Silica Reaction Susceptibility of Aggregates: Characterizing Existing and Exploratory Test Methods, by R.D. Moser, E.R. Gore, O. Rivera, M.A. Ramsey, K. Torres-Cancel, C.A. Weiss Jr., C.A. Rutland, and J.S. Tingle	
ERDC/GSL TR-14-27	Jul 2014	Development of Envelope Curves for Predicting Void Dimensions from Overturned Trees, by B.A. Robbins, J.L. Wibowo, K.S. Holden, and M.K. Corcoran	ADA606867
ERDC/GSL TR-14-28	Jul 2014	Performance of Geogrid-Stabilized Gravel Flexible Pavements, by G.J. Norwood and J.S. Tingle	
¹ ERDC/GSL TR-14-29	Jul 2014	Soil Analysis and Testing to Support HME-C Program, by J.E. Osorio, B.W. Towne, G.B. McKinley, C.A. Barela, and R.D. Ellison	ADB401313
¹ ERDC/GSL TR-14-30	Jul 2014	Enhanced Vehicle Dynamics Module (VehDyn Version 4.3), by G.B. McKinley	ADB401603
¹ ERDC/GSL TR-14-31	Jul 2014	Structural Analysis and Design of Seals for Coal Mine Safety, by G.W. McMahon, J.A. Rullán-Rodríguez, M.S. Homer, R.E. Walker, J.L. O'Daniel, J.R. Britt, and R.K. Zipf	
¹ ERDC/GSL TR-14-32	Jul 2014	Supersonic Pulse-Jet IED Excavator (SPIEDX): Digging Performance Testing and System Development Description, by P.M. Kieffer, R.E. Walker, S.L. Garlington, and R. Butrym	ADB403473
ERDC/GSL TR-14-33	Aug 2014	Geophysical Surveys for Detecting Anomalous Conditions, Algiers Canal Levees, New Orleans, Louisiana, by J.L. Llopis and J.B. Dunbar	ADA607660

¹ Limited distribution; see Preface.

¹ ERDC/GSL TR-14-34	Aug 2014	Focus Area 5: Full-Scale Demonstration and Performance Evaluation, by C.D. Price, J.L. Williamson, B.A. Jones, M.I. Hammons, T.R. Slawson, and J.A. Sherburn	ADB401435
¹ ERDC/GSL TR-14-35	Aug 2014	Effect of Underwater Bubble Jetting on Dam Structures: Mitigation Tests (Series 1), by S.P. Rowell, J.L. O'Daniel, K.A. Flournoy, and M.C. Edwards	ADB401344
¹ ERDC/GSL TR-14-36	Aug 2014	Laboratory Characterization of Aberdeen Test Center Engineered Roadway Soil, by S.S. Graham, S.A. Akers, K.J. Ratliff, and T.A. Waddell	ADB401385
ERDC/GSL TR-14-37	Sep 2014	AM2 100 CBR Subgrade Sensitivity Test, by L. Garcia, T.W. Rushing, B.A. Williams, and C.A. Rutland	
ERDC/GSL TR-14-38	Sep 2014	AM2 3-4 Alternate Lay Pattern Evaluation, by T.W. Rushing, L. Garcia, J.S. Tingle, P.G. Allison, and C.A. Rutland	ADA610771
¹ ERDC/GSL TR-14-39	Nov 2014	Evaluation of Nanoparticle Polymer Material for High-Strength Culverts. Report 1: Full-Scale Validation Testing, by P.M. Kieffer, R.E. Walker, and A.J. Jackson	ADB403474
¹ ERDC/GSL TR-14-40	Dec 2014	Route Reconnaissance and Clearance Advanced Proofing Technology Study, by S.E. Robert, J.E. Osorio, D.P. McInnis, G.B. McKinley, J.R. Fairley, C.A. Barela, R.D. Ellison, and H.M. Barlow	ADB406523
¹ ERDC/GSL TR-15-1	Jan 2015	Occupant-Centric Survivability: Characterization of the OCP-E-SC Testbed Soil, by T.N. Williams, S.A. Akers, S.S. Graham, and K.J. Ratliff	ADB403965
¹ ERDC/GSL TR-15-2	Jan 2015	The Virtual Material Laboratory (VML), Version 2.0: Applications to the Hybrid Elastic-Plastic (HEP) Material Model, by M.D. Adley, S.A. Akers, N.T. Williams, and K.T. Danielson	ADB406225
¹ ERDC/GSL TR-15-3	Jan 2015	Numerical Procedures for Capturing Aboveground Impulse from Buried Bare and Cased Explosives Using EPIC, by T.N. Williams, S.A. Akers, and K.T. Danielson	ADB406301
¹ ERDC/GSL TR-15-4	Feb 2015	Structural Performance of the Modular Protective System (MPS) for Licensing and Acquisition Support, by C.S. Stephens, B.A. Jones, B.A. Williams, and R.N. Boone	ADB408675

¹ Limited distribution; see Preface.

¹ ERDC/GSL TR-15-5	Feb 2015	Occupant-Centric Survivability: Results of Experiments to Quantify Effects of Soil Type, Placement Parameters, and Charge Parameters on Aboveground Impulse, by G.K. Doles, J.Q. Ehrgott, Jr., and J.E. Windham	ADB408322
¹ ERDC/GSL TR-15-6	Feb 2015	Asphalt Surface Treatments' Impact on Pavement Condition at Army Airfields After Five Years, by J.F. Rushing, A.J. Falls, and C.B. Andrews	ADB405581
ERDC/GSL TR-15-7	Apr 2015	Development of the Deep Truss Overhead Cover Protection System, by K.L. Haskins, M.D. O'Neal, C.P. Vol, T.L. Wetmore, O. Esquilin-Mangual, and J.C. Ray	
¹ ERDC/GSL TR-15-8	Apr 2015	Development of the Modular Protective System Overhead Cover: Numerical Model for Dynamic Response Evaluation, by O. Esquilin-Mangual, O.G. Flores, J.A. Sherburn, R.N. Boone, and T.R. Slawson	ADB407035
¹ ERDC/GSL TR-15-9	Apr 2015	PIRATE MOON: Scale-Model Studies of Explosive Attacks on Water-Backed Type III Levees, by D.D. Rickman and R.G. Rhett, Jr.	ADB407481
ERDC/GSL TR-15-10	May 2015	Evaluation of Precast Portland Cement Concrete Panels for Airfield Pavement Repairs, by L.P. Priddy	ADA618138
¹ ERDC/GSL TR-15-11	May 2015	Occupant-Centric Survivability: Characterization of the OCP-A-SC Testbed Soil, by T.N. Williams, S.A. Akers, S.S. Graham, K.J. Ratliff, and J.Q. Ehrgott, Jr	
¹ ERDC/GSL TR-15-12	May 2015	Analysis of Crater Damage to Earthen Levees Using the CTH Computer Code, by B.J. Armstrong and S.A. Akers	
ERDC/GSL TR-15-13	Jun 2015	Field Jet Erosion Tests on the Mississippi River Collocated Demonstration Section, Plaquemines Parish, Louisiana, by J.L. Wibowo, P.A. Taylor, B.A. Robbins, and E.W. Smith	ADA619960
ERDC/GSL TR-15-14	Jun 2015	AM2 Opposite Lay Evaluation, by L. Garcia, W. Vanadit-Ellis, T.W. Rushing, J.S. Tingle, and C.A. Rutland	ADA620022

¹ Limited distribution; see Preface.

¹ ERDC/GSL TR-15-15	Jun 2015	(U) Examination of Constructability and Performance of the TMPS to VBIED Events. (U) Report 1, TMPS Construction and Experimental Series 1 (Evaluation as a Protective Space), by J.M. Roberts, C.B. Blount, J.M. Hoemann, and C.R. Ackerman	
¹ ERDC/GSL TR-15-16	Jul 2015	Hardened Alternative Trailer System. Report 1: Concept Evaluation at Full Scale, by J.M. Roberts, J.M. Hoemann, C.B. Blount, and C.R. Ackerman	
¹ ERDC/GSL TR-15-17	Jul 2015	MineX3D, An Engineering Model for Predicting Loading on Vehicles from Underbelly Blast, by G.C. Bessette, G. Emmanuelli, and J.T. Baylot	
¹ ERDC/GSL TR-15-18	Jul 2015	Soft-Soil Vehicle Cone Index Testing with the AAV RAM/RS, by J.E. Osorio, B.W. Towne, J.T. Carrillo, R.D. Ellison, and C.A. Barela	
¹ ERDC/GSL TR-15-19	Jul 2015	Design and Dynamic Response Evaluation for the Beam Connections of the Modular Protective System - Overhead Cover, by O. Esquilin-Mangual, D.K. Sham, O.G. Flores, and C.M. Adorno-Bonilla	
¹ ERDC/GSL TR-15-21	Aug 2015	Development and Testing of Shrinkage-Compensating Grouts for Use at the Nevada National Security Site: U1a Complex, by W.R. Long, M.A. Ramsey, D.A. Scott, R.D. Moser, B.H. Green, and K.E. Walker	
ERDC/GSL TR-15-22	Aug 2015	Impact of Steel Fiber Size and Shape on the Mechanical Properties of Ultra-High Performance Concrete, by D.A. Scott, W.R. Long, R.D. Moser, B.H. Green, J.L. O'Daniel, and B.A. Williams	ADA620738
ERDC/GSL TR-15-23	Aug 2015	Software Implementation of a Polarized Bidirectional Reflectance Distribution Function Model for Ray-Tracing Applications, by J.F. Peters and C. Goodin	
¹ ERDC/GSL TR-15-24	Jul 2015	Review of Candidate Commercial Explosives for Birds Point-New Madrid Floodway Activation, by C.W. Ertle, L.A. Walker, M.J. Roth, and R.N. Boone	ADB409676
¹ ERDC/GSL TR-15-25	Aug 2015	Evaluation of Stabilization Approaches for Compressed Earth Blocks, by T.S. Rushing, J.F. Furrughs, and C.P. Rusche	

¹ Limited distribution; see Preface.

ERDC/GSL TR-15-26 Rep. 1	Aug 2015	Unconventional Hydrocarbon Development Hazards Within The Central United States. Report 1: Overview and Potential Risk to Infrastructure, by O.S. Taylor, A.P. Lester, and T.A. Lee III	ADA620724
ERDC/GSL TR-15-27	Aug 2015	Large Crater Repair at Silver Flag Exercise Site, Tyndall Air Force Base, Florida, by W.D. Carruth, L. Edwards, H.P. Bell, J.S. Tingle, J.R. Griffin, and C.A. Rutland	ADA620903
ERDC/GSL TR-15-28	Aug 2015	AM2 Mat End Connector Modeling and Performance Validation, by L. Garcia, T.W. Rushing, Q. Mason, J.S. Tingle, and C.A. Rutland	ADA620904
ERDC/GSL TR-15-29	Aug 2015	Concrete Cutting Refinement for Crater Repair, by H.P. Bell, L.P. Priddy, Q.S. Mason, and C.A. Rutland	ADA620909
ERDC/GSL TR-15-30	Aug 2015	AM2 Brickwork Pattern Evaluation with Refurbished Matting, by L. Garcia, T.W. Rushing, and J.S. Tingle	ADA620910
ERDC/GSL TR-15-31	Aug 2015	Evaluation of Procedures for Backcalculation of Airfield Pavement Moduli, by L.P. Priddy, A. Bianchini, C.R. Gonzalez, and C.S. Dossett	ADA620913
ERDC/GSL TR-15-32	Aug 2015	AM2 Modified 2-1 Lay Pattern Evaluation under F-15E Traffic, by L. Garcia, J. Heiser, T.W. Rushing, C.T. Bradley, J.S. Tingle, and C.A. Rutland	ADA620916
¹ ERDC/GSL TR-15-33	Aug 2015	Response of Concrete Specimens to Underwater Explosions: Small-Scale Experiments, by K.A. Flourney, J.L. O'Daniel, and S.P. Rowell	
¹ ERDC/GSL TR-15-34	Aug 2015	Soil Testbed Specification, Construction, and Quality Control for Vehicle Underbody Blast Testing, by J.E. Windham, J.Q. Ehr Gott, Jr., G.K. Doles, K.T. Danielson, L.N. Lynch, and T.A. Waddell	ADB408670
¹ ERDC/GSL TR-15-35	Aug 2015	Modeling the Reactive Burn of Ammonium Nitrate Aluminum (AN/Al 12:1) under Shallow-Buried Explosive Detonations: Comparisons with the Impulse Measurement Device (IMD) Experiments, by A.O. Frank, K.T. Danielson, G.K. Doles, and R.J. Moral	ADB409699

¹ Limited distribution; see Preface.

¹ ERDC/GSL TR-15-36	Aug 2015	DBA-105P Re-Development, Explosive Property Testing with Indian Head Oxidizer: 2-Liter Scale, by M.J. Roth, D.C. Guynes, C.W. Ertle, L.D. Garrett, A.J. Jackson, R.E. Magee, and D.V. Senior	
¹ ERDC/GSL TR-15-37	Oct 2015	Occupant-Centric Survivability: Results of Underbelly Blast Experiments and Simulations on Aboveground Flat-Surface Rigid Structures, by G.K. Doles, N.T. Williams, J.Q. Ehrgott, Jr., S.A. Akers, K.T. Danielson, and J.E. Windham	ADB410351
¹ ERDC/GSL TR-15-38	Nov 2015	Experimental and Analytical Research on Spillway Gates by J.A. Rullan-Rodriguez, W.H. Hossley, and R.S. Browning	
¹ ERDC/GSL TR-15-39	Nov 2015	Evaluation of Geotextiles for Blast Mitigation of Zoned Embankment Dams: the Fat Boy 6 Experimental Effort for the United States Bureau of Reclamation, by R.J. Moral, A.A. Armstrong, D.D. Rickman, K. Langston, G.H. Sutley, and J. Rohde	ADB410825
¹ ERDC/GSL TR-15-40	Nov 2015	Mixture Proportioning and Characterization of a 10-15 ksi High-Strength Concrete for Use at the Naval Air Weapons Station, China Lake, California, by W.R. Long, D.A. Scott, S.S. Graham, B.H. Green, K.E. Walker, and C.P. Rusche	
¹ ERDC/GSL TR-15-42	Dec 2015	Effect of Underwater Bubble Jetting on Dam Structures: Mitigation Tests (Series 2), by K.A. Flournoy, J.L. O'Daniel, S.P. Rowell, and M.C. Edwards	
¹ ERDC/GSL TR-15-43	Dec 2015	Occupant-Centric Survivability: Results of Underbody Blast Experiments and Simulations on Aboveground V-Hull Rigid Structures, by G.K. Doles, N.T. Williams, J.Q. Ehrgott, Jr., J.E. Windham, S.A. Akers, J.E. Payne, K.T. Danielson, T.W. Shelton, and A.J. Johnston	

¹ Limited distribution; see Preface.

GeoTACS tech notes

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/GSL GeoTACS TN-11-1	Apr 2011	Defining 3-D Geologic Architecture and Soil Variability for Sensor Simulations, by B.D. Haugen, S.W. Broadfoot, L.D. Wakeley, C. Roig-Silva, S.G. Bourne, and C.A. Talbot
ERDC/GSL GeoTACS TN-11-2	Apr 2011	Steel-Shot Method for Measuring the Density of Soils, by C.A. Gartrell, L.D. Wakeley, R.B. Freeman, E.S. Berney, and J.R. Kelley
¹ ERDC/GSL GeoTACS TN-11-3	Jun 2011	Geologic Setting of a Soil Sampling Site at GM1, Afghanistan, by J.R. Kelley, S.D. Sloan, LTC W.R. Gatewood, and J.R. McKenna
¹ ERDC/GSL GeoTACS TN-11-4	Jun 2011	Geologic Setting of a Soil Sampling Site at GQ1, Afghanistan, by J.R. Kelley, MAJ B. Borkowski, LCpl J. Marshall, and J.R. McKenna
¹ ERDC/GSL GeoTACS TN-11-5	Jun 2011	Geologic Setting of a Soil Sampling Site at GS1, Afghanistan, by J.R. Kelley, S.D. Sloan, LTC W.R. Gatewood, MAJ B. Borkowski, and J.R. McKenna
¹ ERDC/GSL GeoTACS TN-11-6	Jul 2011	Preparation of Soils for X-Ray Diffraction, by A.R.M. Berg
ERDC/GSL GeoTACS TN-11-7	Jul 2011	Distinguishing Purposefully Disturbed Soil from Other Anthropogenically and Naturally Modified Soils, by S.W. Broadfoot, J.R. Kelley, E.S. Berney IV, L.D. Wakeley, J.R. McKenna, and C. Roig-Silva
¹ ERDC/GSL GeoTACS TN-11-8	Jul 2011	Geologic Setting of Fort Carson, Colorado - a Possible Analog for a Site in Afghanistan, by J.R. Kelley, C. Roig-Silva, T.E. Berry Jr., and G.G. Koenig
¹ ERDC/GSL GeoTACS TN-11-9	Jul 2011	Geologic Setting of a Soil Sampling Site at Baghdad, Iraq, by J.R. Kelley, T.E. Berry Jr., L.D. Wakeley, and J.R. McKenna
¹ ERDC/GSL GeoTACS TN-11-10	Jul 2011	Geologic Setting of a Soil Sampling Site in the Western Desert, Iraq, by J.R. Kelley, T.E. Berry Jr., L.D. Wakeley, and J.R. McKenna
¹ ERDC/GSL GeoTACS TN-11-11	Aug 2011	Geologic Setting of a Soil Sampling Site at GA1, Afghanistan, by J.R. Kelley, S.D. Sloan, LTC W.R. Gatewood, MAJ B. Borkowski and J.R. McKenna

¹ Limited distribution; see Preface.

¹ ERDC/GSL GeoTACS TN-11-12	Dec 2011	Geologic Setting of a Soil Sampling Site at Umm Qsar, Iraq, by J.R. Kelley, T.E. Berry Jr., L.D. Wakeley, and J.R. McKenna
¹ ERDC/GSL GeoTACS TN-11-13	Dec 2011	Geologic Setting of a Soil Sampling Site at GH1, Afghanistan, by J.R. Kelley, S.D. Sloan, MAJ B. Borkowski, and J.R. McKenna
ERDC/GSL GeoTACS TN-13-1	Sep 2013	Testing Produce for Estimating Fully Softened Shear Strengths of Soils Using Reconstituted Material, by I. Stephens and A. Branch

¹ Limited distribution; see Preface.

8 Geotechnical Laboratory (GL)¹

Special reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
² ERDC/GL SR-00-1	Feb 2000	Airfield Pavement Evaluation, Wainwright Army Airfield, Fort Wainwright, Alaska, by P.S. McCaffrey, Jr., and R.W. Grau	ADB252961
² ERDC/GL SR-00-2	May 2000	Airfield Pavement Evaluation, Campbell Army Airfield, Fort Campbell, Kentucky, by R.L. Santoni	ADB254567
² ERDC/GL SR-00-3	Aug 2000	Airfield Pavement Evaluation, Bradshaw Army Airfield, Pohakuloa Training Area, Hawaii, by R.W. Grau and P.S. McCaffrey, Jr.	ADB257201
² ERDC/GL SR-00-4	Aug 2000	Airfield Pavement Evaluation, Wheeler Army Airfield, Schofield Barracks, Oahu, Hawaii, by P.S. McCaffrey, Jr.	ADB257517
² ERDC/GL SR-00-5	Aug 2000	Airfield Pavement Evaluation, Bucholz Army Airfield, Kwajalein Atoll, Marshall Islands, by R.W. Grau	ADB257330
² ERDC/GL SR-00-6	Aug 2000	Airfield Pavement Evaluation, Dyess Army Airfield, Roi-Namur, Kwajalein Atoll, Marshall Islands, by P.S. McCaffrey, Jr.	ADB257409

Technical reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR GL-99-11	Dec 1999	A Case History of Embankment failure: Geological and Geotechnical Aspects of the Ceoltex Levee Failure, New Orleans, Louisiana, by J.B. Dunbar, V.H. Torrey III, and L.D. Wakeley	ADA375282
² ERDC/GL TR-00-1	Feb 2000	Mobility Evaluation of Czech PA 70 N HET Trailer With 55-Ton Payload, by D.W. Moore and R.A. Jones	ADB252399

¹ The Geotechnical Laboratory merged with the Structures Laboratory. See also Geotechnical and Structures Laboratory.

² Limited distribution; see Preface.

ERDC/GL TR-00-2	Mar 2000	Engineering Properties of Resin Modified Pavement (RMP) for Mechanistic Design, by G.L. Anderton	ADA376263
ERDC/GL TR-00-3	May 2000	Response of Granular Layers in Flexible Pavements Subjected to Aircraft Loadings, by D.M. Smith	ADA379144
¹ ERDC/GL TR-00-Rep. 1	Jul 2000	Mobility Performance Comparison Between the T130 Steel Link Track and XT-168 Rubber Band Track on the M113A2 APC. Report 1, Soft Soil, Traction, Obstacle Crossing, by J.D. Priddy and D.W. Moore	ADB256695
ERDC/GL TR-00-5	Aug 2000	Biot-Based Geoacoustic Investigation of Lake Arkabutla, Mississippi, by R.G. McGee, R.F. Ballard, Jr., and R.L. Leist	ADA383169
ERDC/GL TR-00-6	Aug 2000	An Environmental Distress Prediction Model for Flexible Army Airfield Pavements, by W.P. Grogan	ADA382359
ERDC/GL TR-00-7	Aug 2000	Application of DEM to Micro-Mechanical Theory for Large Deformations of Granular Media, by D.A. Horner and J.F. Peters	ADA382942
¹ ERDC/GL TR-00-8	Sep 2000	Traction Enhancement Evaluation of the M88A2 HERCULES, by M.W. Gray	ADB258241
ERDC/GL TR-00-9	Sep 2000	Sensor Technology for Weather and Terrain, by A.W. Harrell	ADA383546
ERDC/GL TR-00-10	Sep 2000	Eagle Terrain Preprocessor, by G.B. McKinley, T.C. Falls, and D.C. Stuart	ADA383207
¹ ERDC/GL TR-00-11	Aug 2000	Field Test Program: Results from Dual Crane Load Tests at Drydock I and Drydock 2, Norfolk Naval Shipyard, by J.A. Harrison and D.R. Alexander	ADB259852

¹ Limited distribution; see Preface.

9 Information Technology Laboratory (ITL)

Contract reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/ITL CR-06-1	Apr 2006	Assessing the Reliability of Highly Redundant Welded Steel Frame Structures, by T.P. McAllister and B.R. Ellingwood

Letter reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
¹ ERDC/ITL LR-12-1	Aug 2012	One-stop Assessment of Building 4554 Fort Meade, Maryland, by G.A. Riveros and G.E. De Jesus	ADB390289

Miscellaneous papers

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/ITL MP-06-1	Feb 2006	Mesh-Independent Methods for Agent Movement, by J-R.C. Cheng	ADA447435

Special reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/ITL SR-00-1	Nov 2000	Guide for Preparing Technical Information Reports of the Engineer Research and Development Center (Waterways Experiment Station)	
ERDC/ITL SR-01-1	Sep 2001	Preliminary Investigation of the Visualization of Buildings in the OneSAF Environment, by M.E. Pace and W.R. Bennett	ADA397450
ERDC/ITL SR-03-1	Aug 2003	User's Guide: Computer Program for Simulation of Construction Sequence for Stiff Wall Systems With Multiple Levels of Anchors (CMULTIANC), by W.P. Dawkins, R.W. Strom, and R.M. Ebeling	ADA417175
ERDC/ITL SR-04-1	Jan 2006	Guide for Preparing Technical Information Reports of the Engineer Research and Development Center	ADA445281

¹ Limited distribution; see Preface.

Technical reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/ITL TR-99-1 Rep. 2	Aug 2000	Development of an Improved Numerical Model for Concrete-to-Soil Interfaces in Soil-Structure Interaction Analyses. Report 2: Final Study, by J.E. Gomez, G.M. Filz, and R.M. Ebeling	ADA385382
ERDC/ITL TR-99-5	Dec 1999	Rivet Replacement Analysis, by E.E. Reichle	ADA374408
ERDC/ITL TR-00-1	Jan 2000	Evaluation and Comparison of Stability Analysis and Uplift Criteria for Concrete Gravity Dams by Three Federal Agencies, by R.M. Ebeling, L.K. Nuss, F.T. Tracy, and B. Brand	ADA374718
ERDC/ITL TR-00-2	Jul 2000	Reliability and Stability Assessment of Concrete Gravity Structures (RCSLIDE): User's Guide, by M.A. Leggett, M.E. Pace, F. Lyles, and K. Abraham	ADA381759
ERDC/ITL TR-00-3	Nov 2000	Investigation of Risk Assessment Methodology for Dam Gates and Associated Operating Equipment, by C.S. Putcha and R.C. Patev	ADA386670
ERDC/ITL TR-00-4	Nov 2000	Probabilistic Barge Impact Analysis of the Upper Guide and Guard Walls at Marmet Locks and Dam, by R.C. Patev	ADA386261
ERDC/ITL TR-00-5	Nov 2000	Theoretical Manual for Pile Foundations, by R.L. Mosher and W.P. Dawkins	ADA386246
ERDC/ITL TR-00-6	Nov 2000	Physical Data Collection for Lock Wall Deterioration, by R.C. Patev, P.F. Mlakar, and L.M. Bryant	ADA386607
ERDC/ITL TR-00-7	Dec 2000	Extended Load/Unload/Reload Hyperbolic Model for Interfaces: Parameter Values and Model Performance for the Contact Between Concrete and Coarse Sand, by J.E. Gomez, G.M. Filz, and R.M. Ebeling	ADA388061
ERDC/ITL TR-01-1	Dec 2001	State of the Practice in the Design of Tall, Stiff, and Flexible Tieback Retaining Walls, by R.W. Strom and R.M. Ebeling	ADA405009
ERDC/ITL TR-01-2	Dec 2001	SOILSTRUCT-ALPHA for Personal Computers. Report 1.: Visual Modeler, by B.C. White and R.M. Ebeling	ADA395693
ERDC/ITL TR-01-3	Aug 2001	Finite Element Modeling of Cooling Coil Effects in Mass Concrete Systems, by R.M. Strigel	ADA397458
ERDC/ITL TR-01-4	Sep 2001	Investigation of Wall Friction, Surcharge Loads, and Moment Reduction Curves for Anchored Sheet-Pile Walls, by W.P. Dawkins	ADA397516

ERDC/ITL TR-01-5	Sep 2001	Development of Geodetic Conversion Routines, by V. Danushkodi	ADA394986
ERDC/ITL TR-01-6	Sep 2001	A/E/C CADD Standard; Main Text and Appendices A, B, and C.	ADA397525
ERDC/ITL TR-01-6	Sep 2001	A/E/C CADD Standard; Appendix D	ADA397526
ERDC/ITL TR-01-7	Dec 2001	Smeared and Discrete Crack Evaluations of a Lock Exhibiting Earth Pressure-Induced Cracking, by R.M. Ebeling, R.C. Patev, and G.A. Riveros	ADA398483
ERDC/ITL TR-01-8	Dec 2001	Multiple-Criteria Decision-Making in the Design of Innovative Lock Walls for Barge Impact; Phase 1, by J.H. Lambert, Y.Y. Haimes, J.L. Tsang, P. Jiang, and R.C. Patev	ADA404050
ERDC/ITL TR-02-1	Dec 2002	Risk Analysis of Design-Improvement Alternatives to the Lindy Claiborne Boggs Lock and Dam, by B.M. Ayyub, A.N. Blair, and R.C. Patev	ADA411318
ERDC/ITL TR-02-2	Dec 2002	Expert-Opinion Elicitation for the Risk Analysis of Design-Improvement Alternatives to the Lindy Claiborne Boggs Lock and Dam, by B.M. Ayyub, A.N. Blair, and R.C. Patev	ADA411314
ERDC/ITL TR-02-3	Sep 2002	Seismic Analysis of Cantilever Retaining Walls, Phase I, by R.A. Green and R.M. Ebeling	ADA408335
ERDC/ITL TR-02-4	Dec 2002	Risk Assessment Procedures for Innovative Navigation Projects, by N.J. Tuholski, H. Gluver, C.A. Cornell, B.C. Gerwick, Jr., R.C. Patev, and J.A. Padula	ADA410763
ERDC/ITL TR-02-5	Dec 2002	Multiple-Criteria Decision-Making in the Design of Innovative Lock Walls for Barge Impact; Phase 2, Implementation of Methodologies, by J.L. Tsang, J.H. Lambert, and R.C. Patev	ADA410814
ERDC/ITL TR-02-6	Sep 2002	Fragility Analysis of Concrete Gravity Dams, by P.B. Tekie and B.R. Ellingwood	ADA408107
ERDC/ITL TR-02-7	Nov 2002	Numerical Methods to Model Excavation of Soil Adjacent to Retaining Structures, by M.S. Gutierrez, R.M. Ebeling, and G.M. Filz	ADA408889
ERDC/ITL TR-02-8	Nov 2002	Analysis of the Added Mass of a Barge in Restricted Waters. Phase 1 Model, by M.E. McCormick, D.R.B. Kraemer, P. Hudson, and W. Noble	ADA408896
ERDC/ITL TR-02-9	Nov 2002	Simplified Procedures for the Design of Tall, Flexible Anchored Tieback Walls, by R.M. Ebeling, M. Azene, and R.W. Strom	

ERDC/ITL TR-02-10	Nov 2002	Simplified Procedures for the Design of Tall, Stiff Tieback Walls, by R.W. Strom and R.M. Ebeling	
ERDC/ITL TR-02-11	Dec 2002	Methods Used in Tieback Wall Design and Construction to Prevent Local Anchor Failure, Progressive Anchorage Failure, and Ground Mass Stability Failure, by R.W. Strom and R.M. Ebeling	
ERDC/ITL TR-03-1	Jan 2003	Investigative Study for Underwater Construction of Lock Floors and Culverts, by B.D. Fehl, T.W. Gaddie, and K. Abraham	ADA410810
ERDC/ITL TR-03-2	Jan 2003	Prototype Barge Impact Experiments, Allegheny Lock and Dam 2, Pittsburgh, Pennsylvania, by R.C. Patev, B.C. Barker, and L.V. Koestler III	ADA410844
ERDC/ITL TR-03-3	Apr 2003	Analysis of Impact Loads from Full-Scale, Low-Velocity, Controlled Barge Impact Experiments, December 1998, by J.R. Arroyo, R.M. Ebeling, and B.C. Barker	ADA415165
ERDC/ITL TR-03-4	Aug 2003	Design by Analysis of Innovative Navigation Structures: Theoretical Manual, by K.T. Slattery and G.A. Riveros	ADA417431
ERDC/ITL TR-03-5	Aug 2003	Design by Analysis of Innovative Navigation Structures: User Manual, by K.T. Slattery and G.A. Riveros	ADA417396
ERDC/ITL TR-03-6	Aug 2003	Analysis of the Added Mass of a Barge in Restricted Waters. Phase 2 Model, by D.R.B. Kraemer and M.E. McCormick	ADA417419
ERDC/ITL TR-03-7	Dec 2003	Full-Scale Barge Impact Experiments, Robert C. Byrd Lock and Dam, Gallipolis Ferry, West Virginia, by R.C. Patev, B.C. Barker, and L.V. Koestler III	ADA425199
ERDC/ITL TR-04-1	Sep 2009	CAD Details Library, by the CAD/BIM Technology Center	
ERDC/ITL TR-04-2	Aug 2004	A Numerical Method for Computing Barge Impact Forces Based on Ultimate Strength of the Lashings between Barges, by J.R. Arroyo and R.M. Ebeling	ADA427100
ERDC/ITL TR-04-3	Aug 2004	Simple Methods Used to Estimate the Limit-State Axial Load Capability of Spillway Invert Slabs, by R.W. Strom and R.M. Ebeling	ADA427082
ERDC/ITL TR-04-4	Aug 2004	Development of the TI-01 Application Benchmark, by R.W. Alter, D.Q. Duffy, M.R. Fahey, R.A. Fahey, J.L. Hensley, T.C. Oppe, and W.A. Ward, Jr.	ADA427046

ERDC/ITL TR-05-1	Mar 2005	Barge Train Maximum Impact Forces Using Limit States for the Lashings Between Barges, by J.R. Arroyo and R.M. Ebeling	ADA433428
¹ ERDC/ITL TR-05-2	Apr 2005	A Regional Monitoring Concept for Corps of Engineers Structures, by J.A. Evans and R.W. Haskins	ADB307353
ERDC/ITL TR-05-3	May 2005	Seismic Structural Considerations for the Stem and Base of Retaining Walls Subjected to Earthquake Ground Motions, by R.W. Strom and R.M. Ebeling	ADA434485
ERDC/ITL TR-05-4	Aug 2005	The USACE DataNet: Providing Efficient Data Access Through a Net-Centric Framework, by C.D. Martin, C.D. Butler, J.T. Stinson, and D.C. Stuart	ADA438169
ERDC/ITL TR-06-2	Dec 2006	Rotational Response of Toe-Restrained Retaining Walls to Earthquake Ground Motions, by R.M. Ebeling and B.C. White	ADA468663
ERDC/ITL TR-07-1	Jun 2007	Translational Response of Toe-Restrained Retaining Walls to Earthquake Ground Motions Using CorpsWallSlip (CWSlip), by R.M. Ebeling, A. Chase, and B.C. White	ADA469305
¹ ERDC/ITL TR-07-2	Nov 2007	USACE ProjectWise Implementation Guide: ProjectWise Collaboration Model (PCM) 1.0, Version 1.0, by E.L. Huell, P.L. Ferguson, R.R. Rogers II, and M. Keathley	ADB334066
ERDC/ITL TR-08-1	Jan 2008	User's Guide: Fracture Mechanics Analysis of Reinforced Concrete Beams (FMARCB), by G.A. Riveros, V.S. Gopalaratnam, and A. Chase	
ERDC/ITL TR-08-2	Nov 2008	Limiting Impact Force Due to Yielding and Buckling of the Plates and Internal Structural Frame at the Impact Corner of the Barge during Its Glancing Blow Impact with a Lock Approach Wall, by R.M. Ebeling and T.W. Warren	ADA492851
ERDC/ITL TR-08-3	Nov 2008	Fragility Analysis of a Concrete Gravity Dam and Its System Response Curve Computed by the Analytical Program GDLAD_Sloping_Base, by R.M. Ebeling, M.T. Fong, A. Chase, Sr., and E. Arredondo	
ERDC/ITL TR-09-1	Jun 2009	Numerical Investigation of Miter Gates, by G.A. Riveros, J.L. Ayala Burgos, and J. Perez	ADA501252
ERDC/ITL TR-09-2	Jul 2009	A/E/C CAD Standard, Release 4.0	ADA508417

¹ Limited distribution; see Preface.

ERDC/ITL TR-09-3	Aug 2009	Limiting Impact Force Due to Yielding and Buckling of the Plates and Internal Structural Frame at the Bow of a Barge during Its Head-on Impact with a Bullnose or Cellular Structure, by R.M. Ebeling and T.W. Warren	ADA508401
ERDC/ITL TR-09-4 Rept. 1	Sep 2009	A System for Collecting and Compiling Condition Data for Hydraulic Steel Structures for Use in the Assessment of Risk and Reliability and Prioritization of Maintenance and Repairs. Report 1: Miter Gates, by P.W. Sauser and G.A. Riveros	
ERDC/ITL TR-09-5	Nov 2009	A Non-Linear Fracture Mechanics Numerical Solution for Reinforced Concrete Deep Beams: A Theoretical Manual for the Fracture Mechanics Analysis of Reinforced Concrete Beams (FMARCB) Program, by G.A. Riveros and V.S. Gopalaratnam	
ERDC/ITL TR-10-1	Jun 2010	Force Time History During the Impact of a Barge Train with a Lock Approach Wall Using Impact_Force, by R.M. Ebeling, B.C. White, A.N. Mohamed, and B.C. Barker	ADA529195
ERDC/ITL TR-11-1	Aug 2011	Dynamic Structural Flexible-Beam Response to a Moving Barge Train Impact Force Time-History Using Impact_Beam, by R.M. Ebeling, A.N. Mohamed, J.R. Arroyo, B.C. White, R.W. Strom, and B.C. Barker	ADA548303
ERDC/ITL TR-12-1	Jun 2012	CAD Drafting Standard, by S.C. Spangler	
ERDC/ITL TR-12-1	Aug 2015	A/E/C Graphics Standard. Release 2.0 (formerly CAD Drafting Standard), by S.C. Spangler	ADA621158
ERDC/ITL TR-12-2	Aug 2012	Building Information Modeling (BIM) Primer. Report 1: Facility Life-Cycle Process and Technology Innovation, by S.D. Carstafhnur and D.L. Dixon	ADA571762
ERDC/ITL TR-12-3	Sep 2012	Simplified Analysis Procedures for Flexible Approach Wall Systems Founded on Groups of Piles and Subjected to Barge Train Impact, by R.M. Ebeling, R.W. Strom, B.C. White, and K. Abraham	ADA570346
ERDC/ITL TR-12-4	Aug 2012	Complete Soil-Structure Interaction (SSI) Analyses of I-walls Embedded in Level Ground During Flood Loading, by M.E. Pace, K. Abraham, and R.M. Ebeling	ADA570343
ERDC/ITL TR-12-5	Dec 2012	Capacity Verification for Modifying Little Sunflower Flood Control Drainage Structure Stop Log, by G.A. Riveros, D. Dixon, and E. Arredondo	

ERDC/ITL TR-12-6	Dec 2012	A/E/C CAD Standard, Release 5.0	ADA576185
ERDC/ITL TR-12-6	Aug 2015	A/E/C CAD Standard, Release 6.0	
ERDC/ITL TR-13-1	Apr 2013	Fatigue Repair of Steel Hydraulic Structures (SHS) using Carbon Fiber Reinforced Polymers (CFRP): Feasibility Study, by H.N. Mahmoud and G.A. Riveros	
ERDC/ITL TR-13-2	Sep 2013	Simulation and Advanced Second Moment Reliability Analyses of Pile Groups Using CPGA-R: Formulation, User's Guide, and Example Problems, by R.M. Ebeling, B.C. White, and M.T. Fong	ADA585467
ERDC/ITL TR-13-3	Aug 2013	Underwater Inspection of Navigation Structures with an Acoustic Camera, by J.A. Evans, T.W. Warren, and R.W. Haskins	ADA584035
ERDC/ITL TR-13-4	Sep 2013	Towards Development of Innovative Bio-Inspired Materials by Analyzing the Hydrodynamic Properties of Polyondon Spathula (Paddlefish) Rostrum, by R.R. Patel and G.A. Riveros	ADA586268
ERDC/ITL TR-14-1	Jun 2014	A Procedure for Predicting the Deterioration of Steel Hydraulic Structures to Enhance their Maintenance, Management, and Rehabilitation, by G.A. Riveros, E. Arredondo, K. Walker, D. Dixon, V. Fermo, J. Davis, C. Boler, and L. Whitlow	ADA602788
ERDC/ITL TR-14-2	Aug 2014	Corrosion Induced Loss of Capacity and Development of a Guided Wave Condition Assessment Method for Multistrand Anchor Systems Used in Corps Projects, by R.W. Haskins, J.A. Evans, and R.M. Ebeling	ADA608714
ERDC/ITL TR-14-3	Sep 2014	Fatigue Assessment of Underwater CFRP-Repaired Steel Panels using Finite Element Analysis, by H.N. Mahmoud, A. Como, and G.A. Riveros	ADA609350
ERDC/ITL TR-15-1	Jul 2015	Detection of Microcracks in Trunnion Rods Using Ultrasonic Guided Waves, by J.A. Evans and R.W. Haskins	ADA619008

10 Structures Laboratory (SL)¹

Technical reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR SL-99-12	Oct 1999	Use of Permeable Formwork in Placing and Curing Concrete, by P.G. Malone	ADA371665
ERDC/SL TR-00-1	Apr 2000	1996 Singapore Ground Shock Test, by D.W. Murrell and C.J. Joachim	ADA377852
² ERDC/SL TR-00-2	Jul 2000	DIPOLE TIGER Subscale Experiment 2, by J.L. Davis and F.D. Dallriva	ADB256796
ERDC/SL TR-00-3	Aug 2000	State-of-the-Art Report on High-Strength, High-Durability Structural Low-Density Concrete for Applications in Severe Marine Environments, by T.A. Holm and T.W. Bremner	
ERDC/SL TR-00-4	Aug 2000	Analysis of Water Shock Data and Bubble Screen Effectiveness on the Blast Effect Mitigation Test Series, Wilmington Harbor, North Carolina, by D.D. Rickman	ADA382742
ERDC/SL TR-00-5	Aug 2000	Effects of an Anchoring Configuration on the Static Response of Geotextile and Geogrid Fabrics, by L. Simmons	ADA383258
ERDC/SL TR-00-6	Aug 2000	Ultimate Deflection Response of Lightly Reinforced Concrete Intake Towers, by R.C. Dove	ADA384422
ERDC/SL TR-00-7	Sep 2000	Nonlinear, Incremental Structural Analysis of Zintel Canyon Dam, by R.E. Hollenbeck and S.B. Tatro	ADA385135
ERDC/SL TR-00-8	Sep 2000	Case Histories of Mass Concrete Thermal Studies, by S.B. Tatro, A.A. Bombich, and J.R. Hess	ADA385129
² ERDC/SL TR-00-9	Sep 2000	Empirical Model for Multi-Hit Crater Damage to Concrete Slabs, by L.K. Davis	ADB260392

¹ The Structures Laboratory merged with the Geotechnical Laboratory. See also Geotechnical and Structures Laboratory.

² Limited distribution; see Preface.

11 Topographic Engineering Center (TEC)¹

Contract reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/TEC CR-00-1	Jun 2000	RADIUS: Model-Based Optimization, by SRI International: P.V. Fua, C.I. Connolly, A.J. Heller, L.H. Quam, and T.M. Strat	ADA380187
ERDC/TEC CR-00-2	Jun 2000	Research in Knowledge-Based Automatic Feature Extraction, by University of Southern California: R. Nevatia and A. Huertas	ADA380197
ERDC/TEC CR-00-3	Jun 2000	Automated Cartographic Feature Attribution Using Panchromatic and Hyperspectral Imagery, by Carnegie Mellon University: D.M. McKeown, Jr., J.C. McGlone, S.D. Cochran, J.A. Shufelt, W.A. Harvey, and D.A. Yocum	ADA380211
² ERDC/TEC CR 00-5	Nov 2000	Improved Vehicle Positioning and Navigation Using Low Cost Sensors, by R. Levi	ADB291825
ERDC/TEC CR-01-1	Mar 2001	Ascender 2: Knowledge-Directed Image Understanding for Site Reconstruction, by A. Hanson, E. Riseman, and H. Schultz	ADA388649
² ERDC/TEC CR-02-1	Jul 2002	A Real Three-Dimensional Digital Terrain Map System, by Physical Optics Corporation: S. Peng	ADB284450
² ERDC/TEC CR-02-2	Jul 2002	Techniques for Viewing Terrain Data on Handheld Displays, by J. Tesar, D. Haanpaa, and D. Melcher	ADB282319
² ERDC/TEC CR-03-1	Jan 2003	Enhanced Accuracy INS/GPS System Utilizing Low-Cost Sensors and Geophysical Models, by D. Johnson and N. Voronka	ADB286777
² ERDC/TEC CR-03-2	Aug 2003	Improved Vehicle Positioning and Navigation Using Low Cost Sensors: Phase II, by E. Erpelding, B. Graham, R. Levi, and A. Stubberud	ADB259540

¹ See also Geospatial Research Laboratory.

² Limited distribution; see Preface.

Special reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/TEC SR-00-1	May 2004	Handbook for Transformation of Datums, Projections, Grids, and Common Coordinate Systems, by J. Ackeret, F. Esch, C. Gard, F. Gloeckler, D. Oimen, J. Perez, J. Simpson, D. Specht, D. Stoner, J. Watts, T. Witte, and Maj. H. Rossanfer	ADA478730
ERDC/TEC SR-08-1	Sep 2008	Functional Decomposition of Modeling and Simulation Terrain Database Generation Process: Using Integration Definition for Function Modeling (IDEFØ), by V.R. Yakich and J.D. Lashlee	ADA492047
ERDC/TEC SR-10-1	Aug 2010	Transforming the Geocomputational Battlespace Framework with HDF5, by M. Folk, P. Cao, and J.A. Nedza	ADA527559

Letter reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/TEC LR-00-1	Mar 2000	Central California Valley Interferometric Synthetic Aperture Radar (IFSAR) Collection, by J. Damron and C. Daniel	ADA379457

Technical notes

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TEC TN-00-1	Jun 2000	Generating a Coastal Boundary and Merging Bathymetry with DTED® Level 1 Using ArcInfo: A Modeling and Simulation Application, by J.J. Damron

Technical reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/TEC TR-01-1	Mar 2001	Estimating Understory Stem Density from Overstory Structural Characteristics, by P. Krause, M. Campbell, and H. Puffenberger	ADA390781
ERDC/TEC TR-01-2	Jul 2000	Evaluating IFSAR and LIDAR Technologies Using ArcInfo: Red River Pilot Study, by J. Damron and C. Daniel	ADA434465

ERDC/TEC TR-01-3	Sep 2000	Comparing Digital Flood Insurance Rate Maps (DFIRMs) to Interferometric Synthetic Aperture Radar (IFSAR) Products, by J. Damron	ADA486484
ERDC/TEC TR-02-1	Dec 2002	A Suggested Methodology for the Computation of Imagery-Based Terrain Data Reliability and Implementation into Tactical Decision Models, by K. Slocum	ADA409009
ERDC/TEC TR-03-1	Mar 2003	Understory Density Characteristics in Several Midlatitude Temperate Forests, by P. Krause, H. Puffenberger, B. Graff, and C. Gard	ADA413189
ERDC/TEC TR-05-1	Nov 2005	The Chameleon Concept: Modeling Quaternary Geomorphic Surfaces Using Laboratory, Field, and Imaging Spectrometry in the Lower Colorado Sonoran Desert	ADA443839
ERDC/TEC TR-08-1	Aug 2008	Enterprise GIS Implementation at Yuma Test Center, Arizona: A Strategic Plan for Geospatial Data Management and Administration, by J.D. Lashlee, W. Sutton, B. Bowles, and V. Morrill	
ERDC/TEC TR-08-2	Sep 2007	A Survey of Terrain Modeling Technologies and Techniques, by N. Gorkavyi, J. Snyder, and J.D. Lashlee	ADA492698

12 Aquatic Nuisance Species Research Program (ANSRP)

Bulletins

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
Vol-04-1	Feb 2004	Suckermouth Catfishes: Threats to Aquatic Ecosystems of the United States? by J.J. Hoover, K.J. Killgore, and A.F. Cofrancesco
Vol-06-1	Jul 2006	Utility of Niche Models in Developing Site Assessments Technologies Associated with Aquatic Nuisance Species Invasions at Corps Facilities by J.F. Shearer
Vol-09-1	Apr 2009	Non-Native Suckermouth Armored Catfishes in Florida: Description of Nest Burrows and Burrow Colonies with Assessment of Shoreline Conditions by L.G. Nico, H.L. Jelks, and T. Tuten
Vol-14-1	Mar 2014	Ecological Impacts of Suckermouth Catfishes (Loricariidae) in North America: A Conceptual Model, by J.J. Hoover, C.E. Murphy, and J. Killgore

Technical notes

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN ANSRP-03-1	Jan 2003	Can Hydraulic Barriers Stop the Spread of the Round Goby?, by J.J. Hoover, S.R. Adams, and K.J. Killgore
ERDC/TN ANSRP-03-2	Sep 2003	Pulse-Power: A Possible Alternative to Chemicals for Zebra Mussel Control; Summary of 2000 Field Studies, by G. Smythe and A. Miller
ERDC/TN ANSRP-03-3	Sep 2003	Performance Testing of a Passive Low-Velocity Filtration Strainer for Use in Excluding Zebra Mussel Post Larvae from Water Intake Systems, by B.S. Payne
ERDC/TN ANSRP-04-1	May 2004	A Probability Tree Applied to a Common Zebra Mussel Dispersal Issue, by B.S. Payne and A.C. Miller

ERDC/TN ANSRP-05-1	Aug 2005	Invasive Estuarine and Marine Animals of the North Atlantic, by G.L. Ray
ERDC/TN ANSRP-05-2	Aug 2005	Invasive Marine and Estuarine Animals of California, by G.L. Ray
ERDC/TN ANSRP-05-3	Sep 2005	Invasive Marine and Estuarine Animals of Hawai'i and other Pacific Islands, by G.L. Ray
ERDC/TN ANSRP-05-4	Sep 2005	Invasive Marine and Estuarine Animals of the Gulf of Mexico, by G.L. Ray
ERDC/TN ANSRP-05-5	Sep 2005	Invasive Marine and Estuarine Animals of the South Atlantic and Puerto Rico, by G.L. Ray
ERDC/TN ANSRP-05-6	Sep 2005	Invasive Marine and Estuarine Animals of the Pacific Northwest and Alaska, by G.L. Ray
ERDC/TN ANSRP-06-1	Jul 2006	Risk, Uncertainty, and Decision Analysis Applied to the Management of Aquatic Nuisance Species, by J. Kim and T.S. Bridges
ERDC/TN ANSRP-06-2	Aug 2006	Identification and Initial Screening of New Compounds to Control Harmful Algal Blooms, by A.G. Poovey and M.D. Netherland
ERDC/TN ANSRP-06-3	Sep 2006	Freshwater Aquatic Nuisance Species Impacts and Management Costs and Benefits at Federal Water Resources Projects ₁ , by R.A. Cole
ERDC/TN ANSRP-06-4	Oct 2006	Application of Risk Assessment and Decision Analysis to Aquatic Nuisance Species, by B.C. Suedel, T.S. Bridges, J. Kim, B.S. Payne, and A.C. Miller
ERDC/TN ANSRP-07-1	May 2007	Life History Attributes of Asian Carps in the Upper Mississippi River System, by J.E. Garvey, K.L. DeGrandchamp, and C.J. Williamson

ERDC/TN ANSRP-07-2	Aug 2007	Detection of Apoptosis in Early Life Stages as a Tool to Evaluate Chemical Control of Invasive Species, by J.W. Lynn, K.D. Perry, V.L. Wilson, A.J. Kennedy, R.N. Millward, and J.A. Steevens
ERDC/TN ANSRP-07-3	Aug 2007	Applying Life Stage Sensitivity Data in Chemical Control Strategies for Invasive Animal Species, by R.N. Millward, A.J. Kennedy, J.W. Lynn, K.D. Perry, S. Ruiz, and J.A. Steevens
ERDC/TN ANSRP-07-4	Nov 2007	Floodplain Wetlands as Nurseries for Silver Carp, <i>Hypophthalmichthys molitrix</i> : A Conceptual Model for Use in Managing Local Populations, by K.A. Varble, J.J. Hoover, S.G. George, C.E. Murphy, and K.J. Killgore
ERDC/TN ANSRP-09-1	Jan 2009	The Impact of Harmful Algal Blooms on USACE Operations, by I. Linkov, F.K. Satterstrom, D. Loney, and J.A. Steevens
ERDC/TN ANSRP-09-2	Jan 2009	Screening of Various Herbicide Modes of Action for Selective Control of Algae Responsible for Harmful Blooms, by M.D. Netherland, C.A. Lembi, and A.G. Poovey
ERDC/TN ANSRP-10-1	May 2010	Impact of Data Availability on Site Assessment and Predictive Behavior of Aquatic Invasive Species, by J.F. Shearer and M.J. Grodowitz
ERDC/TN ANSRP-10-2	May 2010	Predicting the Potential for Invasive Species Establishment by Using Environmental Tolerance Data, by J.F. Shearer and M.J. Grodowitz
ERDC/TN ANSRP-12-1	Mar 2012	Invasive Species Costs to Corps Civil Works Activities, by J.E. Henderson
ERDC/TN ANSRP-12-2	Jun 2012	Detecting eDNA of Invasive Dreissenid Mussels: Report on Capital Investment Project, by R.F. Lance and M.R. Carr

ERDC/TN ANSRP-12-3	Aug 2012	Swimming Performance of Bighead Carp and Silver Carp: Methodology, Metrics, and Management Applications, by J.J. Hoover, L.W. Southern, A.W. Katzenmeyer, and N.M. Hahn
ERDC/TN ANSRP-13-1	Jan 2013	Environmental Factors Influencing Blooms of a Neurotoxic Stigonematalan Cyanobacterium Responsible for Avian Vacuolar Myelinopathy by S.B. Wilde, R.S. Haynie, J.A. Herrin, M.W. Hook, J. Kupfer, and M.D. Netherland
ERDC/TN ANSRP-13-2	Nov 2013	Demonstrating the Ecosystem Effects of Armored Suckermouth Catfishes (Loricariidae): A Feasibility Study Using Mesocosms, by J.J. Hoover, N.M. Hahn, and J.A. Collins
ERDC/TN ANSRP-14-1	Mar 2014	Burrowing by Sailfin Catfish (<i>Pterygoplichthys</i> sp.): A Potential Cause of Erosion in Disturbed Environments, by O. van den Ende
ERDC/TN ANSRP-15-1	Jul 2015	Development of Operational Protocols for Electric Barrier Systems on the Chicago Sanitary and Ship Canal: Induction of Passage-Preventing Behaviors in Small Sizes of Silver Carp, by F.M. Holliman, K.J. Killgore, and C. Shea
ERDC/TN ANSRP-15-2	Aug 2015	Failure to Detect the Neurotoxin β -n-methylamino-l-alanine in Samples Collected during an Avian Vacuolar Myelinopathy (AVM) Epornitic in J. Strom Thurmond Lake, by R.S. Haynie, S.J. Christensen, S. Banack, R.R. Bidigare, J.A. Herrin, and S.B. Wilde

13 Aquatic Plant Control Research Program (APCRP)

Bulletins

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
Vol. A-00-1	Dec 2000	Economic Value of Aquatic Vegetation to Fisheries, by J.P. Kirk and J.E. Henderson
Vol. A-02-1	Aug 2002	"So how much is it worth?" Economic Impacts of Recreational Fishing Under Different Aquatic Plant Conditions, by J.E. Henderson and P. Kirk
Vol. A-04-1	Nov 2004	Aquatic Vegetation Restoration in Drakes Creek, Tennessee by G.O. Dick, R.M. Smart, and J.R. Snow
Vol. A-12-1	Jun 2012	Development of an Integrated Pest Management Approach for Controlling Giant Salvinia Using Herbicides and Insects, by C.R. Mudge and N.E. Harms

Technical notes

Biological control

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN APCRP-BC-02	Mar 2001	Dose Response Studies of <i>Mycoleptodiscus terrestris</i> Formulations on <i>Hydrilla verticillata</i> , by J.F. Shearer
ERDC/TN APCRP-BC-03	Apr 2001	Recovery of Endophytic Fungi from <i>Myriophyllum spicatum</i> , by J.F. Shearer
ERDC/TN APCRP-BC-04	Jun 2002	Effect of a New Growth Medium on <i>Mycoleptodiscus terrestris</i> (Gerd.) Ostazeski, by J.F. Shearer
ERDC/TN APCRP-BC-05	Jul 2002	Developing Methodologies to Assess the Influence of Nutritional and Physical Characteristics of <i>Hydrilla verticillata</i> on its Biological Control Agents, by M.J. Grodowitz and D.G. McFarland
ERDC/TN APCRP-BC-06	Sep 2003	Microsporidia Infection in <i>Neochetina eichhorniae</i> and <i>N. bruchi</i> Populations in Texas, by S. Lewis, M.J. Grodowitz and J. Freedman
ERDC/TN APCRP-BC-07	Apr 2004	Impacts of <i>Euhrychiopsis lecontei</i> (Dietz) from Different Populations on the Growth and Nutrition of Eurasian Watermilfoil, by A.F. Cofrancesco, D.G. McFarland, J.D. Madsen, A.G. Poovey, and H.L. Jones

ERDC/TN APCRP-BC-08	Feb 2007	Impact of Herbivory and Plant Competition on the Growth of Hydrilla in Small Ponds, by M.J. Grodowitz, C.S. Owens, R.M. Smart, and J.G. Nachtrieb
ERDC/TN APCRP-BC-9	Aug 2007	Impact of Invertebrate Herbivory on Native Aquatic Macrophytes, by J.G. Nachtrieb, M.J. Grodowitz, and R.M. Smart
ERDC/TN APCRP-BC-10	Mar 2009	Preliminary Testing of Mycoleptodiscus terrestris Formulations, by J.F. Shearer
ERDC/TN APCRP-BC-11	Mar 2009	Mycoleptodiscus terrestris: An Endophyte Turned Latent Pathogen of Eurasian Watermilfoil, by J.F. Shearer
ERDC/TN APCRP-BC-12	Jun 2009	Mass-Rearing Hydrillia pakistanae Deonier and H. balciunasi Bock for the Management of Hydrilla verticillata, by N. Harms, M. Grodowitz, and J. Nachtrieb
ERDC/TN APCRP-BC-13	Sep 2009	Storage Stability of Dried Microsclerotia of the Biological Control Pathogen Mycoleptodiscus Terrestris, by J.F. Shearer
ERDC/TN APCRP-BC-14	Sep 2009	Senescence as a Factor in Latent Pathogen Infection in Eurasian Watermilfoil, by J.F. Shearer
ERDC/TN APCRP-BC-15	Oct 2009	Parasitism and Host Selection Behavior of Trichopria columbiana Ashmead and its Effect on Establishment and Dynamics of Hydrillia spp. Populations, by M.J. Grodowitz, J.G. Nachtrieb, N. Harms, R. Swindle, and C. Snell
ERDC/TN APCRP-BC-16	Oct 2009	Mass-Rearing Cyrtobagous salvinae Calder and Sands for the Management of Salvinia molesta Mitchell, by N. Harms, M. Grodowitz, and J. Nachtrieb
ERDC/TN APCRP-BC-17	Feb 2010	Suitability of Using Introduced Hydrillia spp. For Management of Monoecious Hydrilla verticillata (L.f.) Royle, by M. Grodowitz, J. Nachtrieb, N. Harms, and J. Freedman
ERDC/TN APCRP-BC-18	Dec 2010	The Impact of the Introduced Hydrillia spp. On the Fluridone-Resistant Biotype of Hydrilla verticillata, by M. Grodowitz, C. Ashton, C. DuBose, J. Freedman, J.G. Nachtrieb, and N. Harms
ERDC/TN APCRP-BC-19	Dec 2010	Effect of Dried Mycoleptodiscus terrestris Inoculums on Fluridone-Susceptible and Fluridone-Resistant Hydrilla Biotypes, by J.F. Shearer and M.J. Grodowitz
ERDC/TN APCRP-BC-20	Dec 2010	Relationship Between Eurasian Watermilfoil Phenology and Endophyte Presence, by J.F. Shearer
ERDC/TN APCRP-BC-21	Dec 2010	Survey of Insect Herbivores Associated with Aquatic and Wetland Plants in the United States, by N.E. Harms and M.J. Grodowitz
ERDC/TN APCRP-BC-22	May 2011	Progress Report on Field Surveys to Identify Biocontrol Agents of Hydrilla verticillata in China during 2010, by J. Ding, J. Zhang, and W. Huang

ERDC/TN APCRP-BC-23	Oct 2011	Application of early Detection and Rapid Response Management Techniques to Control Hydrilla, by J.P. Kirk and K.L. Manuel
ERDC/TN APCRP-BC-24	Oct 2011	Effect of Dried Mycoleptodiscus terrestris inoculums on dioecious hydrilla, by J.F. Shearer, B.D. Durham, and J.E. Freedman
ERDC/TN APCRP-BC-25	Dec 2011	Overwintering Biology and Sex Ratio of the Parasitoid Trichopria Columbiana Ashmead (Hymenoptera: Diapriidae) in North Texas, by N.E. Harms and M.J. Grodowitz
ERDC/TN APCRP-BC-26	Dec 2011	Do Hydrilla Leaf-mining Flies Contribute to Increased Hydrilla Fragmentation?, by C.S. Owens, M.J. Grodowitz, and R.M. Smart
ERDC/TN APCRP-BC-27	Jun 2012	The Screening of Pathogens as Potential Biological Control Agents for Management of Hydrilla verticillata, by J.F. Shearer
ERDC/TN APCRP-BC-28	Jun 2012	Progress Report on Field Surveys to Identify Biocontrol Agents of Hydrilla verticillata in China during 2011, by J. Zhang, M. Purcell, B. Tian and J. Ding
ERDC/TN APCRP-BC-29	Jun 2012	The Combined Effects of Hydrellia spp. Herbivory and Native Plant Competition on the Biomass and Surface Coverage of Hydrilla, by J.G. Nachtrieb, M.J. Grodowitz, and R.M. Smart
ERDC/TN APCRP-BC-30	Jun 2013	Evaluation of a New Biological Control Pathogen for Management of Eurasian Watermilfoil, by J.F. Shearer
ERDC/TN APCRP-BC-31	Jan 2014	Surveys for Pathogens of Monoecious Hydrilla, by J.F. Shearer
ERDC/TN APCRP-BC-32	Feb 2014	Genetic Relationships among Invasive Hydrilla (Hydrilla verticillata L.f. Royle) Biotypes in the US and Their Implications for Management, by N.E. Harms, D.A. Williams, and M.J. Grodowitz
ERDC/TN APCRP-BC-33	Jul 2014	The Use of Megamelus scutellaris Berg in the Southern United States as a Biocontrol Agent of Waterhyacinth (Eichhornia crassipes (Mart.), by M.J. Grodowitz, S. Johnson, and N.E. Harms
ERDC/TN APCRP-BC-34	Oct 2014	Surveys for Pathogens of Monoecious Hydrilla in 2013, by J.F. Shearer
ERDC/TN APCRP-BC-35	Jun 2015	Apparent Herbivory and Indigenous Pathogens of Invasive Flowering Rush (Butomus umbellatus L.) in the Pacific Northwest, by N.E. Harms and J.F. Shearer
ERDC/TN APCRP-BC-36	Jul 2015	Progress Report on Field Surveys to Identify Biocontrol Agents of Hydrilla verticillata from June - September 2012, by J. Zhang, M. Purcell, B. Tian, and J. Ding

Chemical control

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN APCRP-CC-02	May 2004	Using Diquat in Combination with Endothall Under Turbid Water Conditions to Control Hydrilla, by A.G. Poovey and J.G. Skogerboe
ERDC/TN APCRP-CC-04	Aug 2004	Combining Endothall with Other Herbicides for Improved Control of Hydrilla - A Field Demonstration, by J. Skogerboe, T. Pennington, J. Hyde, and C. Aguillard
ERDC/TN APCRP-CC-05	Oct 2006	Selective Control of Eurasian Watermilfoil and Curlyleaf Pondweed Using Low Doses of Endothall Combined with 2,4-D, by J.G. Skogerboe and K.D. Getsinger
ERDC/TN APCRP-CC-06	Mar 2008	Effects of Turbidity on Fluridone Treatments for Curlyleaf Pondweed Control, by A.G. Poovey, M.D. Netherland, and W. Crowell
ERDC/TN APCRP-CC-07	Mar 2008	Evaluation of 2,4-D Ester and Triclopyr Amine Against Waterlily and Spatterdock, by L.M. Glomski and L.S. Nelson
ERDC/TN APCRP-CC-08	Jun 2008	Early-season, Low-dose Applications of Endothall to Selectively Control Curlyleaf Pondweed in Minnesota Lakes, by J.G. Skogerboe, A. Poovey, K.D. Getsinger, W. Crowell, and E. Macbeth
ERDC/TN APCRP-CC-09	Feb 2009	Integrated Weed Management Strategies for Control of Hydrilla, by L.S. Nelson and J.F. Shearer
ERDC/TN APCRP-CC-10	Apr 2009	Potential Impact of Submersed 2,4-D Potential Impact of Submersed 2,4-D on Native Emergent Plants, by L.M. Glomski, M.D. Netherland, and L.S. Nelson
ERDC/TN APCRP-CC-11	Jul 2009	Combining ALS-inhibiting Herbicides with the Fungal Pathogen <i>Mycoleptodiscus terrestris</i> for Control of Hydrilla, by J.F. Shearer and L.S. Nelson
ERDC/TN APCRP-CC-12	Sep 2009	Effect of Submersed Applications of Bispyribac-sodium on Non-target Emergent Vegetation, by L.M. Glomski and C.R. Mudge
ERDC/TN APCRP-CC-14	Apr 2010	Combinations of Endothall with 2,4-D and Triclopyr for Eurasian Watermilfoil Control, by J.D. Madsen, R.M. Wersal, K.D. Getsinger, and J.G. Skogerboe
ERDC/TN APCRP-CC-15	Mar 2011	Endothall Concentration Exposure Time Evaluation Against Eurasian Watermilfoil at a Lower Water Temperature, by C.R. Mudge and H.J. Theel
ERDC/TN APCRP-CC-16	May 2011	Utilizing a Small-scale Primary Screening Method to Evaluate Activity of the Bleaching Herbicide Topramezone on Invasive and Native Submersed Plants, by L.M. Glomski and M.D. Netherland

ERDC/TN APCRP-CC-17	Apr 2012	Impact of Herbicide Combinations on Two Biotypes of the Submersed Plant <i>Vallisneria americana</i> , by C.R. Mudge and L.M. Glomski
ERDC/TN APCRP-CC-18	Mar 2013	Small-scale Primary Screening Method to Predict Impacts of the Herbicide Flumioxazin on Native and Invasive Emergent Plants, by L.M. Glomski and M.D. Netherland
ERDC/TN APCRP-CC-19	Jun 2013	Evaluation of Glyphosate, Flumioxazin and Imazamox against Japanese Knotweed s. l., by L.M. Glomski

Ecological assessments

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN APCRP-EA-01	July 2000	Factors Contributing to the Spread of Hydrilla in Lakes and Reservoirs, by J.D. Madsen and C.S. Owens
ERDC/TN APCRP-EA-02	Mar 2001	Direct and Indirect Impacts of Submersed Aquatic Vegetation on the Nutrient Budget of an Urban Oxbow Lake, by W.F. James, J.W. Barko, and H.L. Eakin
ERDC/TN APCRP-EA-03	Jun 2001	Shear Stress and Sediment Resuspension in Canopy- and Meadow-Forming Submersed Macrophyte Communities, by W.F. James, J.W. Barko, and M.G. Butler
ERDC/TN APCRP-EA-04	Nov 2001	Rehabilitation of a Shallow Lake (Big Muskego Lake, Wisconsin) Via Drawdown: Sediment Response, by W.F. James, H.L. Eakin, and J.W. Barko
ERDC/TN APCRP-EA-05	Jan 2002	Experimental Determination of the Impacts of Sediment Desiccation and Rewetting on Sediment Physical and Chemical Characteristics in Lawrence Lake, Pool 8, Upper Mississippi River, by W.F. James, J.W. Barko, and H.L. Eakin
ERDC/TN APCRP-EA-06	Sep 2003	Manipulation of Sediment Nitrogen via Dewatering and Rehydration: Implications for Macrophyte Control and Nitrogen Dissipation, by W.F. James, H.L. Eakin, and J.W. Barko
ERDC/TN APCRP-EA-07	Jul 2004	Modeling the Impacts of Suspended Sediment Concentration and Current Velocity on Submersed Vegetation in an Illinois River Pool, USA, by E.P.H. Best, A.H. Teeter, and S.K. Nair
ERDC/TN APCRP-EA-08	Sep 2004	Impacts of Mechanical Macrophyte Removal Devices on Sediment Scouring in Littoral Habitats: I. Historical Survey of Operations in Minnesota Lakes, by W.F. James, D.I. Wright, H.L. Eakin, and J.W. Barko
ERDC/TN APCRP-EA-09	Sep 2004	Migratory Waterfowl Habitat Selection in Relation to Aquatic Vegetation, by G.O. Dick, J.K. Smith, and R.M. Smart
ERDC/TN APCRP-EA-10	Aug 2005	Experimental Effects of Lime Application on Aquatic Macrophytes: 1. Growth Response Versus Concentration, by W.F. James, H.L. Eakin, and J.W. Barko

ERDC/TN APCRP-EA-11	Sep 2005	Propagation and Production of Native Aquatic Plants, by G.O. Dick, R.M. Smart, and J.R. Snow
ERDC/TN APCRP-EA-12	Mar 2006	Experimental Effects of Lime Application on Aquatic Macrophytes: 2. Growth Response Versus Treatment Time and Lime Concentration, by W.F. James and J.W. Barko
ERDC/TN APCRP-EA-13	Mar 2006	Impacts of Mechanical Macrophyte Removal Devices on Sediment Scouring in Littoral Habitats: II. Experimental Operation in the Littoral Zone of Eau Galle Reservoir, Wisconsin, by W.F. James, D.I. Wright, J.W. Barko and H.L. Eakin
ERDC/TN APCRP-EA-14	Apr 2007	Experimental Effects of Lime Application on Aquatic Macrophytes: 4. Growth Response of Three Species, by W.F. James
ERDC/TN APCRP-EA-15	Apr 2007	Contribution of Potamogeton crispus Decay to the Phosphorus Budget of McGinnis Lake, Wisconsin, by W.F. James, A. Dechamps, N. Turyk, and P. McGinley
ERDC/TN APCRP-EA-16	Sep 2007	Distribution and Abundance of Eurasian Watermilfoil (Myriophyllum spicatum L.) and Curly-leaf Pondweed (Potamogeton crispus L.) in Shawano Lake, Wisconsin, by C.S. Owens, W.F. James, J.G. Skogerboe, and R.M. Smart
ERDC/TN APCRP-EA-17	Jan 2008	Experimental Effects of Lime Application on Aquatic Macrophytes: 3. Growth Response Versus Exposure Time, by W.F. James
ERDC/TN APCRP-EA-18	Jun 2008	Growth Response of Potamogeton crispus to Lime Application in Experimental Mesocosms, by W.F. James
ERDC/TN APCRP-EA-19	Nov 2008	Point Intercept and Surface Observation GPS (SOG): A Comparison of Survey Methods — Lake Gaston, NC/VA, by L. Dodd-Williams, G.O. Dick, R.M. Smart, and C.S. Owens
ERDC/TN APCRP-EA-20	Dec 2008	Environmental Factors Affecting Aquatic Plant Growth Potential in Marinuka Lake, Wisconsin, by W.F. James
ERDC/TN APCRP-EA-21	Jul 2009	Development of a Multi-Attribute Utility Analysis Model for Selecting Aquatic Plant Restoration Sites in Reservoirs, by M.J. Grodowitz, M. Smart, G.O. Dick, J.A. Stokes, and J. Snow
ERDC/TN APCRP-EA-22	May 2010	Management of Half Moon Lake, Wisconsin, for Improved Native Submersed Macrophyte Growth, by W.F. James
ERDC/TN APCRP-EA-23	Jul 2010	Effects of Nutrients, Salinity, and pH on Salvinia molesta (Mitchell) Growth, by C.S. Owens and R.M. Smart
ERDC/TN APCRP-EA-24	Jul 2010	Comparison of Three Biomass Sampling Techniques on Submersed Aquatic Plants in a Northern Tier Lake, by C.S. Owens, R.M. Smart, P.E. Williams, and M.R. Spickard

ERDC/TN APCRP-EA-25	Oct 2010	Aluminum Sulfate Application to Improve Under-Water Light Condition for Native Submersed Macrophyte Restoration: Alum to Phosphorus Binding Ratio Considerations, by W.F. James
ERDC/TN APCRP-EA-26	Oct 2011	Shade and Depth Effects on the Growth of Giant Salvinia, by C.S. Owens, R.M. Smart, and G.O. Dick
ERDC/TN APCRP-EA-27	Jan 2014	Using High-Resolution, Regional-Scale Data to Characterize Floating Aquatic Nuisance Vegetation in Coastal Louisiana Navigation Channels, by Y.C. Allen and G.M. Suir

Integrated control

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN APCRP-IC-03	Jul 2002	Response of Eurasian Watermilfoil to Integrated Fluridone-Fungal Pathogen Treatment, by L.S. Nelson and J.F. Shearer

Miscellaneous

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN APCRP-MI-05	Oct 2000	Macrophyte Management via Mechanical Shredding: Effects on Water Quality in Lake Champlain (Vermont-New York), by W.F. James, J.W. Barko, and H.L. Eakin
ERDC/TN APCRP-MI-06	Feb 2001	Foraging Behavior of Fishes in Aquatic Plants, by S.L. Harrel, E.D. Dibble, and K.J. Killgore
ERDC/TN APCRP-MI-8	Jan 2014	Establishing Research and Management Priorities for Monoecious Hydrilla, by M.D. Netherland and M. Greer

14 Dredging Operations and Environmental Research Program (DOER)

Technical notes

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN DOER-C9	Nov 1999	Phytoreclamation of Dredged Material: A Working Group Summary by R.A. Price, C.R. Lee and J.W. Simmers
ERDC/TN DOER-C10	Mar 2000	Protocols for a Rapid Clean-up/Extraction Procedure and an Improved P450RGS Dioxin Screening Assay for Sediments, by C.Y. Ang, L.S. Inouye, D.D. McCant and V.A. McFarland
ERDC/TN DOER-C11	Mar 2000	Concepts and Technologies for Bioremediation in Confined Disposal Facilities, by T.E. Myers and C.W. Williford
ERDC/TN DOER-C12	Feb 2000	Reclamation and Beneficial Use of Contaminated Dredged Material: Implementation Guidance for Select Options, by C.R. Lee
ERDC/TN DOER-C13	Jul 2000	Determining Recovery Potential of Dredged Material for Beneficial Use – Soil Separation Concepts, by T.J. Olin-Estes and M.R. Palermo
ERDC/TN DOER-C14	Jul 2000	Determining Recovery Potential of Dredged Material for Beneficial Use – Site Characterization: Prescriptive Approach, by T.J. Olin-Estes and M.R. Palermo
ERDC/TN DOER-C15	Jul 2000	Determining Recovery Potential of Dredged Material for Beneficial Use – Site Characterization: Statistical Approach, by T.J. Olin-Estes
ERDC/TN DOER-C16	Jul 2000	Leachate Screening Considerations, by P.R. Schroeder
ERDC/TN DOER-C17	Aug 2000	Equipment and Processes for Removing Debris and Trash from Dredged Material, by T.E. Myers and D.D. Adrian
ERDC/TN DOER-C18	Aug 2000	Confined Disposal Facility (CDF) Containment Features: A Summary of Field Experience, by M.R. Palermo and D.E. Averett
ERDC/TN DOER-C19	Dec 2000	Biomarker-Based Analysis for Contaminants in Sediments/Soil: Review of Cell-Based Assays and cDNA Arrays, by L.S. Inouye and V.A. McFarland
ERDC/TN DOER-C20	Mar 2001	Implementation Guidance for the Control of Undesirable Vegetation on Dredged Material, by C.R. Lee

ERDC/TN DOER-C21	Aug 2001	Subaqueous Cap Design: Selection of Bioturbation Profiles, Depths, and Process Rates, by D.G. Clarke, M.R. Palermo, and T.C. Sturgis
ERDC/TN DOER-C22	Sep 2001 Replaced Jul 2002	Toxicological and Bioaccumulation Testing of Dredged Material in Confined Disposal Facilities Using Plants and Worms, by E.P.H. Best, H.E. Tatem, L. Winfield, and J.W. Simmers
ERDC/TN DOER-C23	Sep 2001	Review of Field Validation Studies of Sediment Bioassays for the Regulatory Evaluation of Dredged Material, by D.W. Moore
ERDC/TN DOER-C24	Dec 2001	Determining Recovery Potential of Dredged Material for Beneficial Use - Debris and Trash Removal, by P.A. Spaine, D.W. Thompson, L.W. Jones, and T.E. Myers
ERDC/TN DOER-C25	Dec 2001	Manufactured Soil Field Demonstrations on Brownfields and Abandoned Minelands, by C.R. Lee
ERDC/TN DOER-C26	Jul 2002	Subaqueous Capping and Natural Recovery: Understanding the Hydrogeologic Setting at Contaminated Sediment Sites, by T.C. Winter
ERDC/TN DOER-C27	Jul 2002	Planning Level Cost-Benefit Analysis for Physical Separation at Confined Disposal Facilities, by T.J. Olin-Estes, S.E. Bailey, S.A. Heisey, and K.D. Hofseth
ERDC/TN DOER-C28	Aug 2002	Evaluation of Surface Runoff Water in a Freshwater Confined Disposal Facility - Effects of Vegetation, by R.A. Price
ERDC/TN DOER-C29	Jan 2003	Review of Phytoreclamation and Management Approaches for Dredged Material Contaminated with Lead, by C.R. Lee and R.A. Price
ERDC/TN DOER-C30	Feb 2003	A New Transgenic Cell Line for Detection of Invertebrate Endocrine Disruptors: Laboratory Protocol for its Use, by V.A. McFarland, L.S. Inouye, and C.Y. Ang
ERDC/TN DOER-C31	Feb 2003	Effects of Confined Disposal Facility and Vadose Zone Characteristics on Leachate Quality, by P.R. Schroeder and N.M. Aziz
ERDC/TN DOER-C32	Jan 2003	Validation of Pathway Analysis of Metals from Aged Dredged Material Using Plants and Worms, by E.P.H. Best, K.N. Geter, and H.E. Tatem
ERDC/TN DOER-C33	Jan 2003	Dredged Material Composting at Milwaukee and Green Bay, WI, Confined Disposal Facilities, by T.E. Myers, D.W. Bowman, and K.F. Myers
ERDC/TN DOER-C34	Jul 2004	Dispersion of Leachate in Aquifers, by P.R. Schroeder and N.M. Aziz

ERDC/TN DOER-C35	Sep 2004	Pilot-Scale Land Treatment Study at the Saginaw, MI, Confined Disposal Facility, by T.E. Myers and P. Horner
ERDC/TN DOER-C36	Jul 2011	Managing Dredged Material Placement and Disposal Operations in Relation to Bird/Wildlife Aircraft Strike Hazards (BASH), by M.P. Guilfoyle and R.A. Fischer

Dredged material management

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN DOER-D1	Aug 2004	Predicting Geotechnical Parameters of Fine-grained Dredged Materials Using the Slump Test Method and Index Property Correlations, by L.T. Lee
ERDC/TN DOER-D2	Sep 2004	Variability in Geotechnical Properties of Sediments and Dredged Materials, by L.T. Lee
ERDC/TN DOER-D3	Jun 2005	Nearshore Placed Mound Physical Model Experiment, by E.R. Smith and J.Z. Gailani
ERDC/TN DOER-D4	Jul 2005	Particle Tracking Model (PTM) in the SMS: I. Graphical Interface, by Z. Demirbilek, J. Smith, A. Zundel, R. Jones, N. MacDonald, and M. Davies
ERDC/TN DOER-D5	Jul 2005	Particle Tracking Model (PTM) II: Overview of Features and Capabilities, by M.H. Davies, N.J. MacDonald, Z. Demirbilek, S.J. Smith, A.K. Zundel, and R.D. Jones
ERDC/TN DOER-D6	Jul 2005	Particle Tracking Model (PTM) in the SMS: III. Tutorial with Examples, by Z. Demirbilek, S.J. Smith, A.K. Zundel, R.D. Jones, N.J. McDonald, and M.E. Davies
ERDC/TN DOER-D7	Sep 2005	Floristic Inventories of Confined Disposal Facilities in the Great Lakes Area of Concern, by R.A. Price, G. Wilhelm, and P. Horner
ERDC/TN DOER-D8	Jul 2006	Summary of Measurement Protocols Resuspended from Dredging Operations, by T.D. Borrowman
ERDC/TN DOER-D9	Nov 2007	Manufactured Soil Field Demonstration for Constructing Wetlands to Treat Acid Mine Drainage on Abandoned Minelands, by C.R. Lee, D.L. Brandon, and R.A. Price
ERDC/TN DOER-D10	Jul 2010	Sustainable Confined Disposal Facilities for Long-term Management of Dredged Material, by S.E. Bailey, T.J. Estes, P.R. Schroeder, T.E. Myers, J.D. Rosati, T.L. Welp, L.T. Lee, W.V. Gwin, and D.E. Averett
ERDC/TN DOER-D11	May 2011	CDF Characterization for Beneficial Reuse of Dredged Material – Establishing Precedents Based on a Case Study, by T. Estes and J. Clarke

ERDC/TN DOER-D12	Dec 2011	Sampling Strategies for Confined Disposal Facilities (CDF) Characterization, by J.U. Clarke, C.J. McGrath, and T.J. Estes
ERDC/TN DOER-D13	Sep 2011	Bench Testing Report – Analytical Variability as a Function of Sediment Sample Extraction Mass, by D.A. Acevedo and T.J. Estes
ERDC/TN DOER-D14	May 2012	A Review of Risk-Based Approaches to the Development of Screening Criteria for Soils and Application to Beneficial Use of Dredged Material, by S.E. Bailey, D.E. Averett, and P.R. Schroeder
ERDC/TN DOER-D15	Oct 2012	Particle Tracking Model Data Analysis Tools – Part 1: Capabilities in SMS, by Z. Demirbilek, T. Lackey, and A.K. Zundel
ERDC/TN DOER-D16	Oct 2012	Particle Tracking Model Data Analysis Tools – Part 2: Capabilities in SMS, by Z. Demirbilek, T. Lackey, and A.K. Zundel
ERDC/TN DOER-D17	Aug 2014	Field Feasibility Study on the Use of Existing Commercially Available Instrumentation to Detect Fine-Scale ($\leq 1\text{mm}$) Bottom Elevation Changes: Currituck Sound, North Carolina, by D.W. Perkey and H.M. Wadman
ERDC/TN DOER-D18	Jul 2015	Particle Tracking Model Transport Process Verification: Diffusion Algorithm, by D.B. King Jr. and T.C. Lackey

Environmental resource protection

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN DOER-E7	Apr 2000	Acoustic Monitoring of Dredging-Related Suspended-Sediment Plumes, by M.W. Tubman and W.D. Corson
ERDC/TN DOER-E8	Jun 2000	Improved Methods for Correlating Turbidity and Suspended Solids for Monitoring, by E.L. Thackston and M.R. Palermo
ERDC/TN DOER-E9	May 2000	Assessment of Potential Impacts of Dredging Operations Due to Sediment Resuspension, by D.G. Clarke and D.H. Wilber
ERDC/TN DOER-E10	Apr 2000	Description of the SSFATE Numerical Modeling System, by B.H. Johnson, E. Andersen, T. Isaji, A.M. Teeter, and D.G. Clarke
ERDC/TN DOER-E11	Mar 2000	FISHFATE Users Guide: Spatially Temporally Explicit Population Simulation Model, by J.S. Ault, G.A. Meester, K.C. Lindeman, and J. Juo
ERDC/TN DOER-E12	Jul 2000	Demonstration of the SSFATE Numerical Modeling System, by J.C. Swanson, T. Isaji, M. Ward, B.H. Johnson, A. Teeter, and D.G. Clarke

ERDC/TN DOER-E13	Feb 2001	Sturgeon Detection Using Biochemical Methods, by S. Ross, E. Zinkevich, V. Vasileva, A. Kasumyan, and D. Clarke
ERDC/TN DOER-E14	Aug 2001	Characterization of Underwater Sounds Produced by Bucket Dredging Operations, by C. Dickerson, K.J. Reine, and D.G. Clarke
ERDC/TN DOER-E15	May 2002	Acoustic Characterization of Suspended Sediment Plumes Resulting from Barge Overflow, by K.J. Reine, D.G. Clarke, and C. Dickerson
ERDC/TN DOER-E16	Sep 2004	Larval Fish Feeding Responses to Variable Suspended Sediment and Planktonic Prey Concentrations, by D. Colby, and D. Hos
ERDC/TN DOER-E17	Sep 2004	Summary of Interior Least Tern Research and Monitoring Workshop, by M.P. Guilfoyle, R.A. Fischer, D.N. Pashley, and C. Lott
ERDC/TN DOER-E18	Feb 2005	Tagging and Tracking Technologies for Freshwater and Marine Fishes, by K. Reine
ERDC/TN DOER-E19	Mar 2005	Rates and Effects of Sedimentation in the Context of Dredging and Dredged Material Placement, by J.D. Germano, and D. Cary
ERDC/TN DOER-E20	May 2005	Sedimentation: Potential Biological Effects of Dredging Operations in Estuarine and Marine Environments, by D.H. Wilber, W. Brostoff, D.G. Clarke, and G.L. Ray
ERDC/TN DOER-E21	Sep 2005	Silt Curtains as a Dredging Project Management Practice , by N.R. Francingues and M.R. Palermo
ERDC/TN DOER-E22	Nov 2005	Paddlefish and Sturgeon Entrainment by Dredges: Swimming Performance as an Indicator of Risk, by J.J. Hoover, K.J. Killgore, D.G. Clarke, H. Smith, A. Turnage, and J. Beard
ERDC/TN DOER-E23	Mar 2008	Comparison of Acoustic and Aerial Photographic Methods for Quantifying the Distribution of Submersed Aquatic Vegetation in Sagamore Creek, NH, by B. Sabol, E. Lord, K. Reine, and D. Shafer
ERDC/TN DOER-E24	Aug 2008	Dredged Material as a Tool for Management of Tern and Skimmer Nesting Habitats, by W. Golder, D. Allen, S. Cameron, and T. Wilder
ERDC/TN DOER-E25	Oct 2008	Coastal Inlets as Strategic Habitat for Shorebirds in the Southeastern United States, by B.R. Harrington
ERDC/TN DOER-E26	Sep 2009	Analysis of Organic Contaminants in Dredged Material using a Field-Portable GC-MS, by A.J. Bednar, R.A. Kirgan, J.M. Corgino, and A.L. Russell

ERDC/TN DOER-E27	Oct 2010	The Relationship Between Acoustic Target Strength and Body Length for Atlantic Sturgeon (<i>Acipenser oxyrinchus oxyrinchus</i>), by K. Reine, D. Clarke, C. Dickerson, C. Hager, M. Balazik, G. Garmin, A. Spells, and C. Frederickson
ERDC/TN DOER-E28	Sep 2011	Conservation and Management of Eastern Gulf Coast Snowy Plovers (<i>Charadrius alexandrinus</i>), by C.A. Lott and R.A. Fischer
ERDC/TN DOER-E29	Dec 2011	Reducing Human Disturbance to Waterbird Communities Near Corps of Engineers Projects, by J.J. Valente and R.A. Fischer
ERDC/TN DOER-E30	Jan 2012	Ground Truth Sampling to Support Remote Sensing Research and Development: Submersed aquatic Vegetation Species Discrimination Using an Airborne Hyperspectral/Lidar System, by M. Reif, C. Piercy, J. Jarvis, B. Sabol, C. Macon, R. Loyd, P. Colarusso, H. Dierssen, and J. Aitken
ERDC/TN DOER-E31	Feb 2012	Fishery Resource Use of an Offshore Dredged Material Mound, by K.J. Reine, D. Clarke, and C. Dickerson
ERDC/TN DOER-E32	Aug 2012	A Fish Larvae and Egg Exposure System (FLEES) for Evaluating the Effects of Suspended Sediments on Aquatic Life, by C.H. Lutz, D.G. Clarke, and B.C. Suedel
ERDC/TN DOER-E33	Aug 2012	Fishery Resource Utilization of a Restored Estuarine Borrow Pit: A Beneficial Use of Dredged Material Case Study, by K.J. Reine, D.G. Clarke, G.L. Ray, and C. Dickerson
ERDC/TN DOER-E34	Sep 2012	Characterization of Underwater Sounds Produced by a Hydraulic Cutterhead Dredge Fracturing Limestone Rock, by K.J. Reine, D.G. Clarke, and C. Dickerson
ERDC/TN DOER-E35	Dec 2012	Demonstration of Commercial Off-the-Shelf (COTS) Acoustic Technologies for Manatee Detection, by P. Stodola, J. Furey, and B. Sabol
ERDC/TN DOER-E36	Dec 2012	Characterization of Underwater Sounds Produced by a Backhoe Dredge Excavating Rock and Gravel, by K. Reine, D. Clarke, and C. Dickerson
ERDC/TN DOER-E37	Jun 2013	A Pre-Restoration Fishery Resource Utilization Assessment of an Estuarine Borrow Pit in Mobile Bay, Alabama, by K.J. Reine, D.G. Clarke, and C. Dickerson
ERDC/TN DOER-E38	Mar 2014	Characterization of Underwater Sounds Produced by a Hydraulic Cutterhead Dredge during Maintenance Dredging in the Stockton Deepwater Shipping Channel, California, by K.J. Reine and C. Dickerson

Innovative operations technologies

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN DOER-I1	Jul 1999 Rev. Apr 2000	Case Studies: Monitoring Pipeline Dredges, by J. Rosati and T. Welp
ERDC/TN DOER-I2	Jul 2000	Initial Corps Experience with Tons Dry Solids (TDS) Measurement, by T.L. Welp, and J. Rosati, III
ERDC/TN DOER-I3	Jul 2000	Application of Dredge Monitoring Systems to Dredge Contract Administration Quality Assurance, by S.H. Scott
ERDC/TN DOER-I4	Aug 2000	Silent Inspector for Hydraulic Pipeline Dredges, by J. Rosati
ERDC/TN DOER-I5	Aug 2000	Uncertainty Analysis Applied to Dredge Production Calculation, by S. Scott
ERDC/TN DOER-I6	Mar 2001	Silent Inspector Implementation Procedures for Hopper and Pipeline Dredges, by J. Rosati, III and T.L. Prickett

Nearshore processes

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN DOER-N5	Jul 2000	Geotechnical Design Considerations for Contained Aquatic Disposal, by M.P. Rollings
ERDC/TN DOER-N6	Mar 2000	Construction and Monitoring of a Mixed-Sediment Mound Offshore of Mobile Bay, Alabama, by J.E. Davis, D.K. Stauble, and M.P. Rollings
ERDC/TN DOER-N7	Aug 2000	Underflow Spreading from an Open-Water Pipeline Disposal, by A.M. Teeter
ERDC/TN DOER-N8	Apr 2001	Graphical User Interface for LTFATE Version 2.0, by J.Z. Gailani, E. Howlett, T. Isaji, and C. Galagan
ERDC/TN DOER-N9	Apr 2001	Effects of Bentonite Clay on Sediment Erosion Rates, by J.Z. Gailani, L. Jin, J. McNeil, and W. Lick
ERDC/TN DOER-N10	Apr 2001	Erosion rates and Bulk Properties of Dredged Sediments from Mobile, Alabama, by J.Z. Gailani, A. Kiehl, J. McNeil, L. Jin, and W. Lick
ERDC/TN DOER-N11	Apr 2001	Simulating Underflow Spreading from a Shallow-Water Pipeline Disposal, by A.M. Teeter
ERDC/TN DOER-N12	Dec 2001	In Situ Expedient Test Methods to Determine Geotechnical Properties of Dredged Materials, by L.T. Lee

ERDC/TN DOER-N13	Dec 2001	Geotechnical Properties and Sediment Characterization for Dredged Material Models, by L.T. Lee
ERDC/TN DOER-N14	Dec 2001	Development of Methodology for Predicting Fate of Dredged Material Placed on Riverbanks, by K.N. Raphelt, S. Tingle, R.E. Heath, and Y. Chu
ERDC/TN DOER-N15	Oct 2002	Improved Sand Transport Model for LTFATE (Version 2.0), by J.Z. Gailani
ERDC/TN DOER-N16	Aug 2002	Sediment Dispersion Near Dredge Pipeline Discharge in Laguna Madre, Texas, by A.M. Teeter

Risk

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN DOER-R2	Dec 2001	Implementation of Dredging Risk Assessment Modeling Applications for Evaluation of the No-Action Scenario and Dredging Impacts, by P.N. Deliman, C.E. Ruiz, and P.R. Schroeder
ERDC/TN DOER-R3	Sep 2004	Validating Pathway Analysis of Organic Contaminants from Aged Dredged Material Using Plants and Worms, by E.P.H. Best, K. Geter, H.E. Tatem, H.L. Fredrickson, M. Richmond, J. Furey, and M. Wells
ERDC/TN DOER-R4	Sep 2004	Development of Gene Expression Fingerprints for Identification of Environmental Contaminants Using cDNA Arrays, by L.S. Inouye, C.Y. Ang, and V.A. McFarland
ERDC/TN DOER-R5	Sep 2004	Analysis of Uncertainty in Estimating Dioxin Bioaccumulation Potential in Sediment-Exposed Benthos, by J.U. Clarke, V.A. McFarland, C.H. Lutz, R.P. Jones, and S.W. Pickard
ERDC/TN DOER-R6	Dec 2004	Liner Design Guidance for Confined Disposal Facility Leachate Control, by E.J. LeBoeuf, E.L. Thackston, P.R. Schroeder, and M.R. Palermo
ERDC/TN DOER-R7	Sep 2005	Design Guidance for Confined Disposal Facility Lateral Seepage Control, by E.J. LeBoeuf, and E.L. Thackston
ERDC/TN DOER-R8	Sep 2005	Cost Estimating for Contaminated Sediment Treatment - A Summary of the State of the Practice, by T.E. Myers
ERDC/TN DOER-R9	Sep 2005	Equipment and Placement Techniques for Subaqueous Capping, by S.E. Bailey and M.R. Palermo
ERDC/TN DOER-R10	Jul 2006	Evaluation of Chemical Clarification Polymers and Methods for Removal of Dissolved Metals from CDF Effluent, by S.E. Bailey, S. Hwang, M.C. Brooks, and P.R. Schroeder

ERDC/TN DOER-R11	Aug 2006	Screening Evaluations for Upland Confined Disposal Facility Effluent Quality, by P. Schroeder, T. Estes, and S. Bailey
ERDC/TN DOER-R12	Sep 2008	Screening Evaluations for Upland Confined Disposal Facility Surface Runoff Quality, by P.R. Schroeder, S.E. Bailey, T.J. Estes, and R.A. Price
ERDC/TN DOER-R13	Sep 2009	Comparison of the Direct Scoring Method and Multi-Criteria Decision Analysis for Dredged Material Management Decision Making, by B.C. Suedel, J. Kim, and C.J. Banks
ERDC/TN DOER-R14	Feb 2011	28-Day Chronic Sublethal Test Method for Evaluating Whole Sediments Using an Early Life Stage of the Marine Polychaete <i>Neanthes arenaceodentata</i> , by J.D. Farrar and T.S. Bridges
ERDC/TN DOER-R15	Apr 2011	Development of a Bioaccumulation Test Method with the Amphipod <i>Leptocheirus plumulosus</i> , by J.D. Farrar, G. Lotufo, and J. Sims
ERDC/TN DOER-R16	Jun 2011	Environmental Enhancements and Navigation Infrastructure: Existing Practices, Innovative Ideas, and Research Needs, by T.J. Fredette, C.M. Foran, S.M. Brasfield, and B.C. Suedel
ERDC/TN DOER-R17	Aug 2011	Bioaccumulation Models: State of the Application at Large Superfund Sites, by K. Gustavson, T. von Stackelberg, I. Linkov, and T. Bridges
ERDC/TN DOER-R18	Oct 2011	An Introduction to Using Bayesian Networks to Model Dredging Decisions, by M.T. Schultz and T.D. Borrowman
ERDC/TN DOER-R19	Dec 2012	Riparian Vegetation, Natural Succession, and the Challenge of Maintaining Bare Sandbar Nesting Habitat for Least Terns and Piping Plovers, by R.L. Wiley and C.A. Lott
ERDC/TN DOER-R20	Aug 2013	Operationalizing Engineering With Nature – Regional Sediment Management Principles and Practices into Operations and Maintenance Dredging Beneficial Use Project Management, by C.J. Banks and J.M. Gerhardt Smith
ERDC/TN DOER-R21	Sep 2013	Implementing Engineering With Nature within the Corps: A Workshop, by C.J. Banks, T.J. Fredette, B.C. Suedel, and T.S. Bridges
ERDC/TN DOER-R22	Jun 2015	Dredged Material Management Categories for Tracking Beneficial Use, by J.L. Childs
ERDC/TN DOER-R23	Aug 2015	Conceptual Model Development for Sea Turtle Nesting by L.M. Dunkin, M.K. Reif, T.M. Swannack, and J.M. Gerhardt-Smith

Dredging technologies

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN DOER-T1	Feb 2000	Innovations in Dredging Technology: Equipment, Operations, and Management, by N.R. Francingues, T.N. McLellan, R.J. Hopman, R.G. Vann, and T.D. Woodward
ERDC/TN DOER-T2	Dec 2000	Innovative Dredged Sediment Decontamination and Treatment Technologies, by N.R. Francingues, and D.W. Thompson
ERDC/TN DOER-T3	Jan 2001	The Corps of Engineers Telescoping Weir for Confined Placement Sites, by N.R. Francingues, E.C. McNair, R.G. Vann, and T.D. Woodward
ERDC/TN DOER-T4	Dec 2001	Special PIANC Session on Environmental Dredging, by N.R. Francingues
ERDC/TN DOER-T5	Aug 2006	Pipeline Optimization Program (PLOP), by D. Wilson
ERDC/TN DOER-T6	Sep 2004	Status of Current Hopper and Bin Measurement Technologies, by T. Welp, J. Rosati, and G. Howell
ERDC/TN DOER-T7	Oct 2004	Mechanical Dewatering of Navigation Sediments: Equipment, Bench-Scale Testing, and Fact Sheets, by T.J. Estes, J. Waugh, R.L. Schwartz, G. Green, V. Buhr, B. Braddock, and H.D. Detzner
ERDC/TN DOER-T8	Mar 2007	Recycled Glass and Dredged Materials, by L.T. Lee, Jr.
ERDC/TN DOER-T9	Oct 2007	A Microscale Approach for the Quantitative Detection of PCBs and PAHs in Small Tissue Masses, by R. Millward, R. Jones, R. Karn, and A. Harrison
ERDC/TN DOER-T10	Sep 2011	Physical Separation Process Demonstrations--A Review of Three Dredging Projects, by D.E. Averett and T.J. Estes
ERDC/TN DOER-T11	Jul 2013	Laboratory Feasibility Study Concerning the Use of the SediMeter™ to Detect Fine-Scale (≤ 1 mm) Sedimentation Resulting from Dredging Operations, by D.W. Perkey and H.M. Wadman

Technical reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC TR-DOER-5	Apr 2000	Innovations in Dredging Technology: Equipment, Operations, and Management, by T.N. McLellan and R.J. Hopman

15 Dredging Operations Technical Support Program (DOTS)

Bulletins

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
Vol. 3 No. 1	Mar 2000	Dredging Research
Vol. 3 No. 2	Jun 2000	Dredging Research
Vol. 3 No. 3	Sep 2000	Dredging Research
Vol. 3 No. 4	Dec 2000	Dredging Research
Vol. 4 No. 1	Mar 2001	Dredging Research
Vol. 4 No. 2	Jun 2001	Dredging Research
Vol. 4 No. 3	Sep 2001	Dredging Research
Vol. 4 No. 4	Dec 2001	Dredging Research
Vol. 5 No. 1	Mar 2002	Dredging Research
Vol. 5 No. 2	Jun 2002	Dredging Research
Vol. 5 No. 3	Sep 2002	Dredging Research
Vol. 5 No. 4	Dec 2002	Dredging Research
Vol. 6 No. 1	Mar 2003	Dredging Research
Vol. 6 No. 2	Jun 2003	Dredging Research
Vol. 6 No. 3	Sep 2003	Dredging Research
Vol. 7 No. 1	Mar 2004	Dredging Research
Vol. 7 No. 2	Aug 2004	Dredging Research
Vol. 8 No. 1	Jul 2005	Dredging Research

Technical notes

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN DOTS-14-01	Aug 2014	New Standard Weir Design for Dredged Material Management Area, Jacksonville District, by C.K. Maglio, J.W. Bearce, M.A. Presley, and J.L. Grover
ERDC/TN DOTS-15-1	Jan 2015	Evaluation of Hydraulic Fracturing (Fracking) Plays for Potential Impact on USACE-Managed Waterways, by V.F. Medina and B. Suedel

16 Ecosystem Characterization and Monitoring Initiative Program (ECMI)

Technical notes

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/EL TN-ECMI-01-01	Sep 2001	Classification of Land-Cover Types for the Fort Benning Ecoregion Using Enhanced Thematic Mapper Data, by S.G. Bourne and M.R. Graves
ERDC/EL TN-ECMI-01-02	Sep 2001	Ground Control Survey at Fort Benning, Georgia, by C.D. Hahn
ERDC/EL TN-ECMI-02-1	Oct 2002	Evaluation of ECMI Instrumentation Deployed at Fort Benning, by C.D. Hahn
ERDC/EL TN-ECMI-02-2	Oct 2002	Landscape Pattern Metrics at Fort Benning, Georgia, by M.R. Graves and S.G. Bourne
ERDC/EL TN-ECMI-04-1	Nov 2004	Classification of Land-Cover Types for the Fort Benning Ecoregion Using Enhanced Thematic Mapper Data: January 2003 Imagery, by S.S. Jackson, S.G. Bourne, and M.R. Graves
ERDC/EL TN-ECMI-05-1	Jul 2005	An Automated Procedure to Monitor Urban Encroachment Over Time on Fort Benning Military Installation, by S.S. Jackson and S.G. Bourne
ERDC/EL TN-ECMI-05-2	Aug 2005	Resources, Equipment and Logistics in Support of Long-term Monitoring at Fort Benning, by D. Leese
ERDC/EL TN-ECMI-05-3	Sep 2005	Development of a Distributed Source Contaminant Transport Model for ARAMS, by B.E. Johnson and Z. Zhang

17 Ecosystem Management and Restoration Research Program (EMRRP)

Bulletins

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
EMRRP Bulletin Vol. 2, No. 3	Oct 1999	Overview of Stream Restoration Technology: State of the Science, by J.C. Fischenich
EMRRP Bulletin 01-1	May 2001	Technologies for Urban Stream Restoration and Watershed Management, by J.C. Fischenich
EMRRP Bulletin 03-1	Jan 2003	Riparian Restoration and Management Needs in the Arid and Semi-arid Western United States, by R.A. Fischer
EMRRP Bulletin 04-1	May 2004	Catalog of Community Habitat Models, by A.C. Webb and L.J. O'Neil
EMRRP Bulletin 10-1	Dec 2010	CEMCAT: Conceptual Ecological Model Construction Assistance Toolbox, by P.S. Daylander and J.C. Fischenich

Technical notes

Environmental Benefits Assessment (EBA)

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN EMRRP-EBA-01	Feb 2008	The Application of Conceptual Models to Ecosystem Restoration, by J.C. Fischenich
ERDC/TN EMRRP-EBA-02	Sep 2008	A Metric and GIS Tool for Measuring Connectivity Among Habitat Patches Using Least-Cost Distances, by J.P. Lin
ERDC/TN EMRRP-EBA-03	Sep 2009	Reducing Spreadsheet Errors, by S.K. McKay
ERDC/TN EMRRP-EBA-4	Jul 2010	Metric Development for Environmental Benefits Analysis, by S.K. McKay, B.A. Pruitt, M. Harberg, A.P. Covich, M.A. Kenney, and J.C. Fischenich
ERDC/TN EMRRP-EBA-5	Jul 2010	Improving Conceptual Model Development: Avoiding Underperformance Due to Project Uncertainties, by A.F. Casper, R.A. Efromson, S.M. Davis, G. Steyer, and B. Zettle
ERDC/TN EMRRP-EBA-6	Feb 2011	Environmental Benefits Analysis of Fish Passage on the Truckee River, Nevada: A Case Study of Multi-Action-Dependent Benefits Quantification, by J. Conyngham, S.K. McKay, C. Fischenich, and D. Artho

ERDC/TN EMRRP-EBA-7	Mar 2011	Using Multi-Criteria Decision Analysis to Support Ecosystem Restoration Planning, by B.C. Suedel, K. Burks-Copes, J. Kim, and K. McKay
ERDC/TN EMRRP-EBA-8	Mar 2011	Hydrologic Analyses for Stream Restoration Design, by J.C. Fischenich and S.K. McKay
ERDC/TN EMRRP-EBA-9	May 2011	Using General Land Office Survey Records in Ecosystem Restoration Planning, by M. Perkins, C. Klimas, J. Dunbar, T. Foti, and J. Pagan
ERDC/TN EMRRP-EBA-10	Apr 2012	The Application of Adaptive Management to Ecosystem Restoration Projects, by C. Fischenich and C. Vogt
ERDC/TN EMRRP-EBA-11	May 2012	The Use of Reference Ecosystems as a Basis for Assessing Restoration Benefits, by B.A. Pruitt, S.J. Miller, C.H. Theiling, and J.C. Fischenich
ERDC/TN EMRRP-EBA-12	Jun 2012	Reference Concepts in Ecosystem Restoration and Environmental Benefits Analysis (EBA): Principles and Practices, by S.J. Miller, B.A. Pruitt, C.H. Theiling, J.C. Fischenich, and S.B. Komlos
ERDC/TN EMRRP-EBA-13	Jul 2012	Stability Thresholds and Performance Standards for Flexible Lining Materials in Channel and Slope Restoration Applications, by S.J. Miller, J.C. Fischenich, and C.I. Thornton
ERDC/TN EMRRP-EBA-14	Aug 2012	An Approach for Developing Regional Environmental Benefits Models, by S.K. McKay and B.A. Pruitt
ERDC/TN EMRRP-EBA-15	Aug 2012	Application of Risk Management and Uncertainty Concepts and Methods for Ecosystem Restoration: Principles and Best Practice, by B.C. Suedel, L.J. Valverde, Jr., J. Vogel, I. Linkov, J.C. Fischenich, T. Bridges, and M. Plumley
ERDC/TN EMRRP-EBA-16	Oct 2012	Ecosystem Restoration Objectives and Metrics, by S.K. McKay, I. Linkov, J.C. Fischenich, S.J. Miller, and L.J. Valverde, Jr.
ERDC/TN EMRRP-EBA-17	Nov 2012	Currituck Sound Estuary Restoration: A Case Study in Objective Setting, by S.K. McKay, C.R. Wilson, and D. Piatkowski
ERDC/TN EMRRP-EBA-18	Dec 2012	Evaluating Protocols to Quantify the Significance of Aquatic Ecosystems at Regional and National Scales: Proceedings of a Workshop, Cambridge, MA, 20-22 July 2011, by D.J. Tazik
ERDC/TN EMRRP-EBA-19	Jun 2013	Metric Selection for Ecosystem Restoration, by M. Convertino, K. Baker, C. Lu, J.T. Vogel, K. McKay, and I. Linkov
ERDC/TN EMRRP-EBA-20	Jul 2014	Case Study: Sensitivity Analysis of the Barataria Basin Barrier Shoreline Wetland Value Assessment Model, by S.K. McKay and J.C. Fischenich

ERDC/TN EMRRP-EBA-21	Jul 2014	Uncertainty and Sensitivity of Ecosystem Restoration Decisions: A Case Study from Coastal Louisiana, by S.K. McKay and J.C. Fisichenich
ERDC/TN EMRRP-EBA-22	Aug 2014	Case Study: Southwest Coastal Louisiana Conceptual Ecosystem Model Development, by J.C. Fisichenich and T.K. Barnes

Ecosystem impacts (EI)

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC TN-EMRRP-EI-01	Jul 2000	Quantifying Habitat Benefits of Restored Backwaters, by J.J. Hoover, K.J. Killgore, and G.L. Young
ERDC TN-EMRRP-EI-02	Jan 2008	Habitat Equivalency Analysis: A Potential Tool for Estimating Environmental Benefits, by G.L. Ray
ERDC TN-EMRRP-EI-03	Sep 2008	Short-Term Sediment Burial Effects on the Seagrass <i>Phyllospadix scouleri</i> , by C. Craig, S. Wyllie-Echeverria, E. Carrington, and D. Shafer
ERDC TN-EMRRP-EI-04	Apr 2009	Application of Habitat Equivalency Analysis to USACE Projects, by G.L. Ray

Ecosystem management and support systems (EM)

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC TN-EMRRP-EM-01	Jul 2000	Linking Biological Models and Spatial Descriptions of Environmental Complexity with Coupled Models, by J.M. Nestler, R.A. Goodwin, and L.T. Schneider
ERDC TN-EMRRP-EM-02	Jan 2002	Simulating Movement of Highly Mobile Aquatic Biota: Foundation for Population Modeling in an Ecosystem Context, by J.M. Nestler, R.A. Goodwin, and L.T. Toney
ERDC TN-EMRRP-EM-03	May 2002	Small Floodplain Pools as Habitat for Fishes and Amphibians: Methods for Evaluation, by J.J. Hoover and K.J. Killgore
ERDC TN-EMRRP-EM-04	Sep 2006	Natural Resources Level One Inventories: What are the Needs and Process for Corps Projects?, By C.O. Martin, J. Krause, and D.N. Wiese
ERDC TN-EMRRP-EM-05	Sep 2006	Creating a Wetland Restoration Decision Support System Using GIS Tools, by J.P. Lin, S.G. Bourne, and B.A. Kleiss
ERDC TN-EMRRP-EM-06	Sep 2007	Availability of an ArcGIS Wetland Restoration Spatial Decision Support System (SDSS) Tool, by J.P. Lin and B.A. Kleiss
ERDC TN-EMRRP-EM-07	Sep 2007	Availability of Patch Calculator, an ArcGIS v.9 Tool for the Analysis of Landscape Patches, by J.P. Lin

ERDC TN-EMRRP-EM-08	Aug 2010	Initial Application of a Landscape Evolution Model to a Louisiana Wetland, by C.F. Cerco
ERDC TN-EMRRP-EM-09	Dec 2010	Guidelines for Assessing the Condition of Lands and Waters Managed by the U.S. Army Corps of Engineers, by J.F. Krause and W.M. Ford
ERDC TN-EMRRP-EM-10	Oct 2011	Ecological Forecasting Tools and Planning of Ecosystem Restoration Projects, by C.M. Foran, I. Linkov, E.A. Moberg, D.L. Smith, and D.M. Soballe

Ecosystem restoration (ER)

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN EMRRP-ER-01	Sep 2003	Economic Values Associated with Construction of Oyster Reefs by the Corps of Engineers, by J. Henderson and L.J. O'Neil
ERDC/TN EMRRP-ER-02	Nov 2003	Willow Stake Installation: Example Contract Specifications, by D. Shafer and A. Lee
ERDC/TN EMRRP-ER-03	Feb 2006	Experimental Gravel Bar Habitat Creation in the Tombigbee River, Mississippi, by A.C. Miller
ERDC/TN EMRRP-ER-04	Oct 2006	Guidelines for the Acquisition of Aerial Photography for Digital Photo-Interpretation of Submerged Aquatic Vegetation (SAV), by S.S. Jackson, M.R. Graves, and D.J. Shafer
ERDC/TN EMRRP-ER-05	Feb 2007	Overview of Prairie Planting Techniques and Maintenance Requirements, by P. Bailey and C.O. Martin
ERDC/TN EMRRP-ER-06	Aug 2007	Long-Term Development of Planted Mangrove Wetlands in Florida, by D. Shafer and T. Roberts
ERDC/TN EMRRP-ER-07	Sep 2007	Surfgrass Restoration in the Northeast Pacific, by T. Wyllie-Echeverria, M. Hannan, S. Wyllie-Echeverria, and D. Shafer
ERDC/TN EMRRP-ER-08	Feb 2008	Restoration of Delta Streams: A Case History and Conceptual Model, by K.J. Killgore, J.J. Hoover, C.E. Murphy, K.D. Parrish, D.R. Johnson, and K.F. Myers
ERDC/TN EMRRP-ER-09	May 2008	Cottonwoods of the Midwest: A Community Profile, by W. Mitchell, J. O'Neil, and A. Webb
ERDC/TN EMRRP-ER-10	Aug 2008	Library of Habitat Models to Evaluate Benefits of Aquatic Restoration Projects on Fishes, by K.J. Killgore, J.J. Hoover, and C.E. Murphy
ERDC/TN EMRRP-ER-11	Feb 2009	Prairies and Water Management on Corps Lands, by P. Bailey
ERDC/TN EMRRP-ER-12	Sep 2009	Use of Alternative Materials for Oyster Reef Construction, by D. Schulte, G. Ray, and D. Shafer

ERDC/TN EMRRP-ER-13	Apr 2010	Addressing Risk and Uncertainty in Planning Ecological Restoration Projects, by C.E. Yoe, K. Burks-Copes, M.T. Schultz, and B.C. Suedel
ERDC/TN EMRRP-ER-14	Apr 2012	An Illustrative Case Study of the Application of Uncertainty Concepts and Methods for Ecosystem Restoration, by M. Convertino, B.C. Suedel, K.M. Baker, J.T. Vogel, L.J. Valverde, Jr., J.C. Fisichenich, and I. Linkov
ERDC/TN EMRRP-ER-15	Aug 2012	Ranking Secondary Channels for Restoration Using an Index Approach, by K.J. Killgore, J.J. Hoover, B.R. Lewis, and R. Nassar
ERDC/TN EMRRP-ER-16	Aug 2012	Potential Natural Vegetation Maps for Ecosystem Restoration in the Mississippi Alluvial Valley, by C. Klimas, T. Foti, J. Pagan, M. Williamson, and E. Murray
ERDC/TN EMRRP-ER-17	Sep 2012	Ranking Restoration Alternatives for the Lower Mississippi River: Application of Multi-Criteria Decision Analysis, by K.A. Boysen, J.J. Hoover, and K.J. Killgore
ERDC/TN EMRRP-ER-18	Jul 2013	Incorporating Ecosystem Goods and Services in Environmental Planning – Definitions, Classification and Operational Approaches, by E. Murray, J. Cushing, L. Wainger, and D.J. Tazik
ERDC/TN EMRRP-ER-19	Jan 2014	Retrospective Evaluation of the Protocol for US Army Corps of Engineers Aquatic Ecosystem Restoration Projects Part 2: Database Content and Data Entry Guidelines, by J.S. Gardner, E.E. Maynard, D.L. Price, and J.C. Fisichenich
ERDC/TN EMRRP-ER-20	Feb 2014	Retrospective Evaluation of Corps Aquatic Ecosystem Restoration Projects Protocol Part 1: Project Overview, by J. Gardner, E. Maynard, D. Price, and C. Fisichenich

Rapid quantification and assessment methods (RQ)

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN EMRRP-RQ-01	Jan 2009	Applying an Avian Index of Biological Integrity to Assess and Monitor Arid and Semi-arid Riparian Ecosystems, by M.P. Guilfoyle, J.S. Wakeley, and R.A. Fischer
ERDC/TN EMRRP-RQ-02	Sep 2014	Development of Genetic Markers for Environmental DNA (eDNA) Monitoring of Sturgeon, by H.L. Farrington and R.F. Lance

Species information (SI)

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN EMRRP-SI-09	Jan 2000	Width of Riparian Zones for Birds, by R.A. Fischer

ERDC/TN EMRRP-SI-10	Apr 2000	Characterization of Sensitive Species and Habitats Affected by the Operation of USACE Water Resource Development Projects, by R.L. Kasul, C.O. Martin, and H.H. Allen
ERDC/TN EMRRP-SI-11	Apr 2000	Riparian Raptors Potentially Impacted by USACE Reservoir Operations, by W.A. Mitchell, M.P. Guilfoyle, M.S. Wolters, and C.O. Martin
ERDC/TN EMRRP-SI-12	Apr 2000	Riparian Raptors on USACE Projects: Bald Eagle (<i>Haliaeetus leucocephalus</i>), by M.P. Guilfoyle, D.E. Evans, R.A. Fischer, and C.O. Martin
ERDC/TN EMRRP-SI-13	Apr 2000	Riparian Raptors on USACE Projects: Osprey (<i>Pandion haliaetus</i>), by W.A. Mitchell and M.S. Wolters
ERDC/TN EMRRP-SI-14	Apr 2000	Riparian Raptors on USACE Projects: Peregrine Falcon (<i>Falco peregrinus</i>), by W.A. Mitchell, D.E. Evans, and R.A. Fischer
ERDC/TN EMRRP-SI-15	Apr 2000	Riparian Raptors on USACE Projects: Red-shouldered Hawk (<i>Buteo lineatus</i>), by M.P. Guilfoyle and M.S. Wolters
ERDC/TN EMRRP-SI-16	May 2000	Bald Eagle Recovery Efforts at Corps of Engineers Projects, by R.A. Fischer
ERDC/TN EMRRP-SI-17	Sep 2000	Riparian Shorebirds Potentially Impacted by USACE Reservoir Operations, by W.A. Mitchell, M.P. Guilfoyle, and M.S. Wolters
ERDC/TN EMRRP-SI-18	Dec 2000	Bat Habitat Restoration and Management Opportunities on Corps of Engineers Projects, by C.O. Martin
ERDC/TN EMRRP-SI-19	Apr 2001	Sensitive Western Riparian Songbirds Potentially Impacted by USACE Reservoir Operations, by M.P. Guilfoyle
ERDC/TN EMRRP-SI-20	Jul 2001	The Importance of Corps of Engineers Lands to Migrating and Breeding Birds, by R.A. Fischer and H.R. Hamilton
ERDC/TN EMRRP-SI-21	Sep 2001	Management of Bottomland Hardwood Forests for Nongame Bird Communities on Corps of Engineers Projects, by M.P. Guilfoyle
ERDC/TN EMRRP-SI-22	Aug 2001	Riparian Habitat Management for Reptiles and Amphibians on Corps of Engineers Projects, by D.D. Dickerson
ERDC/TN EMRRP-SI-23	Nov 2001	Hedgerow and Fencerow Management on Corps of Engineers Projects, by W.A. Mitchell, W.P. Kuvleskey, Jr., D. Burks, and C.O. Martin
ERDC/TN EMRRP-SI-24	Sep 2002	Eastern Cave- and Crevice-Dwelling Bats Potentially Impacted by USACE Reservoir Operations, by C.O. Martin, W.A. Mitchell, and M.S. Wolters
ERDC/TN EMRRP-SI-25	May 2002	Cave- and Crevice-Dwelling Bats on USACE Projects: Gray Bat (<i>Myotis grisescens</i>), by W.A. Mitchell and C.O. Martin

ERDC/TN EMRRP-SI-27	May 2002	Cave- and Crevice-Dwelling Bats on USACE Projects: Townsend's Big-eared Bat (<i>Corynorhinus townsendii</i>), by W.A. Mitchell
ERDC/TN EMRRP-SI-28	Jul 2002	Black-capped Vireo and Golden-cheeked Warbler Populations Potentially Impacted by USACE Reservoir Operations, by M.P. Guilfoyle
ERDC/TN EMRRP-SI-29	Jul 2002	Riparian Habitat Management for Mammals on Corps of Engineers Projects, by C.O. Martin
ERDC/TN EMRRP-SI-30	Sep 2005	Status and Importance of Prairie Ecosystems on Corps of Engineers Projects, by C.O. Martin and E.P. Peloquin
ERDC/TN EMRRP-SI-31	Apr 2007	Regional Availability of Plants for Prairie Restoration, by P. Bailey and C.O. Martin
ERDC/TN EMRRP-SI-32	Jun 2007	Implementing Avian Inventory and Monitoring Efforts on Corps of Engineers Project Lands, by M.P. Guilfoyle and R.A. Fischer
ERDC/TN EMRRP-SI-33	Dec 2007	An Evaluation of the Level I Natural Resources Inventory Process on Corps Operational Projects, by C.O. Martin and J.F. Krause
ERDC/TN EMRRP-SI-34	Jul 2009	Mammalian Survey Techniques for Level II Natural Resource Inventories on Corps of Engineers Projects (Part I), by C.O. Martin
ERDC/TN EMRRP-SI-35	Dec 2010	Mammalian Survey Techniques for Level II Natural Resource Inventories on Corps of Engineers Projects (Part II - Bats), by C.O. Martin

Stream restoration (SR)

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN EMRRP-SR-01	Feb 2000	Glossary of Stream Restoration Terms, by C. Fischenich
ERDC/TN EMRRP-SR-02	Feb 2000	Stream Restoration - Principles and Practices, by C. Fischenich
ERDC/TN EMRRP-SR-03	Feb 2000	Preliminary Watershed Assessment, by C. Fischenich
ERDC/TN EMRRP-SR-04	Feb 2000	Coir Geotextile Roll and Wetland Plants for Streambank Erosion Control, by H.H. Allen and C. Fischenich
ERDC/TN EMRRP-SR-05	Feb 2000	Computing Scour, by C. Fischenich and M. Landers
ERDC/TN EMRRP-SR-06	May 2000	Habitat Requirements for Freshwater Fishes, by J.V. Morrow, Jr. and C. Fischenich
ERDC/TN EMRRP-SR-07	May 2000	Resistance Due to Vegetation, by C. Fischenich
ERDC/TN EMRRP-SR-08	Feb 2000	Determining Drag Coefficients and Area for Vegetation, by C. Fischenich and S. Dudley

ERDC/TN EMRRP-SR-09	May 2000	Reconnection of Floodplains with Incised Channels, by C. Fischenich and J.V. Morrow, Jr.
ERDC/TN EMRRP-SR-10	Apr 2000	Robert Manning (A Historical Perspective), by C. Fischenich
ERDC/TN EMRRP-SR-11	Feb 2000	Boulder Clusters, by C. Fischenich and R. Seal
ERDC/TN EMRRP-SR-12	Feb 2000	Irrigation Systems for Establishing Riparian Vegetation, by C. Fischenich
ERDC/TN EMRRP-SR-13	May 2000	Streambank Habitat Enhancement with Large Woody Debris, by J.C. Fischenich and J.V. Morrow, Jr.
ERDC/TN EMRRP-SR-14	May 2000	Acid Mine Drainage Treatment, by J. Fripp, P.F. Ziemkiewicz, and H. Charkavorki
ERDC/ TN EMRRP-SR-19	Aug 2002	Design of Low-Flow Channels, by C. Fischenich
ERDC/TN EMRRP-SR-21	May 2000	Rootwad Composites for Streambank Erosion Control and Fish Habitat Enhancement, by T. Sylte and C. Fischenich
ERDC/TN EMRRP-SR-22	May 2000	Gabions for Streambank Erosion Control, by G.E. Freeman and J.C. Fischenich
ERDC/TN EMRRP-SR-23	May 2001	Brush Mattresses for Streambank Erosion Control, by H.H. Allen and C. Fischenich
ERDC/TN EMRRP-SR-24	Apr 2000	Design Recommendations for Riparian Corridors and Vegetated Buffer Strips, by R.A. Fischer and J.C. Fischenich
ERDC/TN EMRRP-SR-25	Jan 2001	Riparian Terminology: Confusion and Clarification, by R.A. Fischer, C.O. Martin, J.T. Ratti, and J. Guidice
ERDC/TN EMRRP-SR-26	May 2001	Determining Optimal Degree of Soil Compaction for Balancing Mechanical Stability and Plant Growth Capacity, by W. Goldsmith, M. Silva, and C. Fischenich
ERDC/TN EMRRP-SR-28	May 2001	Units and Conversions for Stream Restoration Projects, by G.E. Freeman and C. Fischenich
ERDC/TN EMRRP-SR-29	May 2001	Stability Thresholds for Stream Restoration Materials, by C. Fischenich
ERDC/TN EMRRP-SR-30	May 2003	Vegetated Reinforced Soil Slope Streambank Erosion Control, by R.B. Sotir and J.C. Fischenich
ERDC/TN EMRRP-SR-31	May 2001	Live and Inert Fascine Streambank Erosion Control, by R.B. Sotir and C. Fischenich
ERDC/TN EMRRP-SR-32	May 2001	Impacts of Stabilization Measures, by C. Fischenich
ERDC/TN EMRRP-SR-33	May 2001	Plant Material Selection and Acquisition, by C. Fischenich
ERDC/TN EMRRP-SR-34	Aug 2002	An Assessment of Watershed Planning in Corps of Engineers Civil Works Projects, by S. Hansen and C. Fischenich

ERDC/TN EMRRP-SR-35	Nov 2007	Live Stake and Joint Planting for Streambank Erosion Control, by R.B. Sotir and J.C. Fischenich
ERDC/TN EMRRP-SR-36	Sep 2002	Techniques for Measuring Substrate Embeddedness, by T. Sylte and C. Fischenich
ERDC/TN EMRRP-SR-39	Sep 2007	Sediment Sampling and Analysis for Stream Restoration Projects, by C. Fischenich and C. Little
ERDC/TN EMRRP-SR-40	Aug 2007	Vegetation Impacts Upon Stream Width, by C. Fischenich and D. McComas
ERDC/TN EMRRP-SR-41	Aug 2007	Hydraulic Losses in River Meanders, by G.L. Brown, R.R. Copeland, and C. Fischenich
ERDC/TN EMRRP-SR-42	Apr 2004	Landscaping Considerations for Urban Stream Restoration Projects, by P. Bailey and C. Fischenich
ERDC/TN EMRRP-SR-44	Feb 2004	Using Soil Amendments to Improve Riparian Plant Survival in Arid and Semi-arid Landscapes, by R.A. Fischer
ERDC/TN EMRRP-SR-45	Jul 2005	Recreation Enhancements for Urban Streams, by P. Bailey, C. Fischenich, and J. Marcy
ERDC/TN EMRRP-SR-46	Aug 2013	Alternative Environmental Flow Management Schemes, by S.K. McKay
ERDC/TN EMRRP-SR-47	Jun 2014	Application and Evaluation of the HEC-RAS-Nutrient Simulation Module (NSM I), by Z. Zhang and B.E. Johnson
ERDC/TN EMRRP-SR-50	Aug 2006	Guidelines for Establishing Monitoring Programs to Assess the Success of Riparian Restoration Efforts in Arid and Semi-arid Landscapes, by M.P. Guilfoyle and R.A. Fischer
ERDC/TN EMRRP-SR-52	Sep 2006	Functional Objectives for Stream Restoration, by J.C. Fischenich
ERDC/TN EMRRP-SR-55	Dec 2009	Influence of Hydrologic Connectivity on Plant Species Diversity Along Southwestern Rivers: Implications for Restoration, by J.C. Stromberg, M.S. White, J.M. White, D. Shorrock, and R.A. Fischer
ERDC/TN EMRRP-SR-65	Jun 2009	DAM_Explorer: A Modeling Framework for Assessing the Physical Response of Streams to Dam Removal, by J. Conyngham and C. Wallen
ERDC/TN EMRRP-SR-66	Jun 2009	Data Needs and Case Study Assessment for Dam Fate Determination and Removal Projects: A Checklist, by J. Conyngham
ERDC/TN EMRRP-SR-80	Sep 2006	Engineering and Ecological Aspects of Dam Removal - An Overview, by J. Conyngham, J.C. Fischenich, and K.D. White

18 Engineering with Nature Program (EWN)

Technical notes

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC TN-EWN-14-1	Jul 2014	USACE Regional Sediment Management and Engineering With Nature 2012 Workshop Summary, by C.J. Banks and J.M. Gerhardt Smith
ERDC TN-EWN-14-2	Aug 2014	Epifaunal Community Development on Great Lakes Breakwaters: An Engineering With Nature Demonstration Project, by T.J. Fredette, B. Suedel, C.J. Banks, R.J. Ruby, P. Bijhouwer, and A.M. Friona
ERDC TN-EWN-14-3	Aug 2014	USACE Regional Sediment Management and Engineering With Nature 2013 Workshop Summary, by J.M. Gerhardt Smith and C.J. Banks
ERDC TN-EWN-14-4	Aug 2014	Use of Strategic Placement of Dredged Sediments to Support Horseshoe Island in the Atchafalaya River, Louisiana: A Preliminary Ecological Survey, by J.F. Berkowitz, N.R. Beane, D.E. Evans, B. Suedel, and J.M. Corbino
ERDC TN-EWN-15-1	Jul 2015	Engineering With Nature Geographic Project Mapping Tool (EWN ProMap), by T.J. Fredette, B.C. Suedel, A.V. Davis, and C.J. Banks
ERDC TN-EWN-15-2	Jul 2015	Deer Island Aquatic Ecosystem Restoration Project, by J. Gerhardt Smith, J. McDonald, S. Ivester Rees, and N. Lovelace

19 Environmental Effects of Dredging Program (EEDP)

Technical notes

Section 01 – Aquatic disposal

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN EEDP-01-44	Apr 2000	Application of Population Modeling to Evaluate Chronic Toxicity in the Estuarine Amphipod <i>Leptocheirus plumulosus</i> , by T.S. Bridges and S. Carroll
ERDC/TN EEDP-01-45	Jun 2000	Genotoxicity Testing in Sediments: Progress in Developing a Transgenic Polychaete Model, by L.S. Inouye and V.A. McFarland
ERDC/TN EEDP-01-46	Aug 2000	Total Maximum Daily Loads (TMDLs): A Perspective, by J.L. Martin and R.H. Kennedy
ERDC/TN EEDP-01-47	May 2001	Annotated Bibliography and Guide to Products of the LEDO Bioaccumulation and Adverse Effects Work Unit, by V.A. McFarland and S.A. Jarvis
ERDC/TN EEDP-01-48	May 2002	Development of a Biological-Effects-Based Approach to Assess the Significance of Contaminant Bioaccumulation, by J.A. Steevens and P.F. Landrum
ERDC/TN EEDP-01-49	Apr 2003	Interim Guidance on Assessing the Risk Posed by Pathogens Associated with Dredged Material, by K.J. Indest
ERDC/TN EEDP-01-50	May 2003	Development of a New Bioaccumulation Testing Approach: The Use of DDE as a Challenge Chemical to Predict Contaminant Bioaccumulation, by L.J. Yoo, J.A. Steevens, and P.F. Landrum

Section 02 – Upland disposal

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN EEDP-02-28	Dec 1999	Prediction of Volatile Losses from Contaminated Exposed Sediments, by C. Price, J. Brannon, S. Yost, R. Ravikrishna, and K.T. Valsaraj
ERDC/TN EEDP-02-29	Jun 2000	Simplified Laboratory Runoff Procedure(SLRP): Procedure and Application, by R.A. Price and J.G. Skogerboe
ERDC/TN EEDP-02-30	Mar 2001	Volatile Losses from Resuspended Dredged Material, by C. Price, J. Brannon, S. Yost, F. Sanchez, L. Thibodeaux, K. Valsaraj, and R. Ravikrishna

ERDC/TN EEDP-02-31	Apr 2003	Development of Sediment Extracts for Rapid Assessment of Organic Contaminant Bioavailability, by C. Price, L. Inouye, J.M. Brannon, V. McFarland, and C. Hayes
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Section 04 -- Regulatory

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN EEDP-04-33	Dec 2002	Selecting Tier III Water Column Toxicity Standards for CDF Discharges: Statistical Alternatives, by J.U. Clarke, P.R. Schroeder, and J.A. Steevens
ERDC/TN EEDP-04-34	Jul 2003	Toxicological Exposure of Sediment-Bound Hydrophobic Organic Contaminants as a Function of the Quality of Sediment Organic Carbon and Microbial Degradation, by H.L. Fredrickson, J.W. Talley, J.S. Furey, and S. Nicholl
ERDC/TN EEDP-04-35	Dec 2002	Development of a Rapid, Inexpensive Bioassay for Screening Contaminant Bioavailability in Sediment Using mRNA Profiling, by E. Perkins, H. Fredrickson, and G. Lotufo
ERDC/TN EEDP-04-36	Jan 2005	Analytical Chemistry Detection Limits and the Evaluation of Dredged Sediment, by R.P. Jones and J.U. Clarke
ERDC/TN EEDP-04-37	Jun 2007	Overdepth Dredging and Characterization Depth Recommendations, by J.F. Tavoraro, J.R. Wilson, T.L. Welp, J.E. Clausner, and A.Y. Premo

Section 06 -- Management

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN EEDP-06-12	Nov 2004	The Automated Dredging and Disposal Alternatives Modeling System (ADDAMS), by P.R. Schroeder, M.R. Palermo, T.E. Myers, and C.M. Lloyd
ERDC/TN EEDP-06-22	Apr 2013	The Association Between Confined Disposal Facilities and Mosquitoes, by J.G. Nachtrieb and M.J. Grodowitz
ERDC/TN EEDP-06-23	Aug 2013	Costs Associated with Endangered Species Act Compliance, by J.E. Henderson

20 Environmental Quality Technology Program (EQT)

Technical notes

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC TN-EQT-06-1	Oct 2006	CTT&F: Distributed Sources Chemical Transport, Transformation and Fate Submodel, by B.E. Johnson and Z. Zhang
ERDC TN-EQT-09-1	Dec 2009	Determination of Low Level NOMA in Soils, by A.J. Bednar, R.A. Karn, C. Mao, D.E. Splichal, D.B. Taggart, and K.H. Coats
ERDC TN-EQT-09-2	Dec 2009	Establishment of the TREECS Platform: A Survey of Existing Tools, Portals, and Frameworks, by J.A. Gerald, M.S. Dortch, B.E. Johnson, and M.R. Fontan
ERDC TN-EQT-10-1	May 2010	Polarized Illuminator for Very-Near Infrared Imaging, by J. Furey and C. Morgan
ERDC TN-EQT-10-2	Oct 2010	Applying Multicriteria Decision Analysis to Managing Species at Risk and Other Critical Resources on Military Installations, by B.C. Suedel, J. Kim, and R.F. Lance
ERDC TN-EQT-12-1	Apr 2012	Estimating Solubility for Modeling the Fate of Heavy Metals with the Training Range Environmental Evaluation and Characterization System (TREECS™), by M.S. Dortch
ERDC TN-EQT-12-2	Aug 2012	Applying the TREECS™ to Strontium 90 for Borschi Watershed near Chernobyl, Ukraine, by M.S. Dortch
ERDC TN-EQT-13-1	Sep 2013	Modeling RDX Reduction within Iron Bed Reactors, by M.S. Dortch and H.M. Smith
ERDC TN-EQT-13-2	Dec 2013	Application of TREECS™ to Small Arms Firing Ranges at Fort Leonard Wood, MO, by M.S. Dortch

21 Innovations for Navigation Projects Research Program (INP)

Technical reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC TR-INP-00-1	Mar 2000	Technologies for Positioning and Placement of Underwater Structures, by R.G. Mann and V.P. Chiarito

22 Natural Resources Research Program (NRRP)

Bulletins

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
Vol. R-99-2	Nov 1999	Rechnotes
Vol. R-01-1	May 2001	Rechnotes

Technical notes

Ecological resources (ECO)

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC TN-NRTS-ECO-02	Mar 2001	Linkages to Biodiversity, Ecosystems, and Society, by H.R. Hamilton and D.J. Tazik

Recreation (REC)

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/NRTN REC-13	Jul 2002	Hispanic Recreation at Corps of Engineers Lakes in the Greater Tulsa Area: Results of Two Hispanic Focus Groups, by R.A. Dunn, R.L. Kasul, D. Brown
ERDC/NRTN REC-14	Sep 2003	Results of a Pilot Customer Satisfaction Survey of Corps of Engineers Recreation Visitors, by R.L. Kasul, W-H. Chang, and S.F. Franco

23 Recreation Research Program (RRP)

Technical reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR R-99-1	Dec 1999	Methodology for Recreation Data Acquisition and Evaluation for Ethnic Minority Visitors to Corps of Engineers Projects, by R.A. Dunn and D.M. Quebedeaux	ADA374585

24 Regional Sediment Management Demonstration Program (RSM)

Bulletins

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
Vol. 1	Winter/Spring 2003	Regional Sediment Management
Vol. 2	Summer/Fall 2003	Regional Sediment Management
Vol. 2	Winter/Spring 2004	Regional Sediment Management
Vol. 3	Summer/Fall 2004	Regional Sediment Management
Vol. 4	Winter/Spring 2006	Regional Sediment Management

Technical notes (also published as ERDC CHETNs and one CRREL tech note)

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/RSM-TN-1	Jun 2001	The Corps of Engineers National Regional Sediment Management Demonstration Program, by J.D. Rosati, B.D. Carlson, J.E. Davis, and T.D. Smith
ERDC/RSM-TN-4	Mar 2002	Overview of Regional Coastal Sediment Processes and Controls, by M. Larson, J.D. Rosati, and N.C. Kraus
ERDC/RSM-TN-5	Jun 2002	Lessons Learned from Existing Projects on Shoaling in Harbors and Navigation Channels, by T.M. Parchure and A.M. Teeter
ERDC/RSM-TN-6	Jun 2002	Potential Methods for Reducing Shoaling in Harbors and Navigation Channels, by T.M. Parchure and A.M. Teeter
ERDC/RSM-TN-7	Jun 2002	Sediment Budget Analysis System-A: SBAS-A for ArcView© Application, by R. Dopsovic, L. Hardegree, and J. Rosati
ERDC/RSM-TN-8	Jun 2002, Rev. Jun 2003	Authorities and Policies Supporting Implementation of Regional Sediment Management, by L.R. Martin
ERDC/RSM-TN-9	Apr 2003	Overland Erosion Due To Freeze-Thaw Cycling: Laboratory Experiments, by L.W. Gatto and M.G. Ferrick

Project briefs

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/RSM-DB1	Apr 2003	Detroit District, Ludington, Michigan, to Michigan City, Indiana
ERDC/RSM-DB2	Jun 2003	Jacksonville District: Northeast Florida
ERDC/RSM-DB3	Jun 2003	Jacksonville District: Southwest Florida
ERDC/RSM-DB4	Jun 2003	Mobile District, Northern Gulf of Mexico
ERDC/RSM-DB5	Jun 2003	Los Angeles District, State of California
ERDC/RSM-DB6	Jun 2003	Philadelphia District: Cape May County, New Jersey
ERDC/RSM-DB7	Jun 2003	Portland District, Mouth of Columbia River, Oregon and Washington
ERDC/RSM-DB8	Jun 2003	New York District: Endangered Shore Birds Habitat, Long Island, New York
ERDC/RSM-DB9	Jun 2003	New York District: Town of Hempstead, Long Island, New York
ERDC/RSM-DB10	Jun 2003	New York District: Regional Sediment Budget for Long Island, New York
ERDC/RSM-DB11	Jan 2004	South Atlantic Division, Regional Sediment Management Demonstration Project
ERDC/RSM-DB12	Aug 2005	Honolulu District, Southeast Oahu, Hawaii
ERDC/RSM-DB13	Aug 2005	Northwestern Division: Program Management Plan for Regional Sediment Management

25 Strategic Environmental Research and Development Program (SERDP)

Contract reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
CR SERDP-99-1	Dec 1999	MT3DMS: A Modular Three-Dimensional Multispecies Transport Model for Simulation of Advection, Dispersion, and Chemical Reactions of Contaminants in Groundwater Systems; Documentation and User's Guide, by C. Zheng, P.P. Wang

Technical reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
TR SERDP-99-4	Dec 1999	Explosives Conjugation Products in Remediation Matrices: Final Report, by J.C. Pennington, K.A. Thorn, L.S. Inouye, V.A. McFarland, A.S. Jarvis, C.H. Lutz, C.A. Hayes, and B.E. Porter
TR SERDP-99-5	Dec 1999	Management of Bottomland Hardwoods and Deepwater Swamps for Threatened and Endangered Species , by R.A. Fischer, C.O. Martin, K. Robertson, W.R. Whitworth, and M.G. Harper

26 Submerged Aquatic Vegetation Program (SAV)

Technical notes

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN SAV-06-1	Jan 2006	Applications and Limitations of Micropropagation for the Production of Underwater Grasses, by S. Ailstock and D. Shafer
ERDC/TN SAV-06-2	Apr 2006	Buoy-Deployed Seeding: A New Low-Cost Technique for Restoration of Submerged Aquatic Vegetation from Seed, by C. Pickerell, S. Schott, and S. Wyllie-Echeverria
ERDC/TN SAV-06-3	Aug 2006	Protocol for Large-Scale Collection, Processing, and Storage of Seeds of Two Mesohaline Submerged Aquatic Plant Species, by S. Ailstock and D. Shafer
ERDC/TN SAV-06-4	Dec 2006	Reproductive Ecology of <i>Vallisneria americana</i> Michaux, by D.G. McFarland
ERDC/TN SAV-07-1	Dec 2007	A Summary of Eelgrass (<i>Zostera marina</i>) Reproductive Biology with an Emphasis on Seed Biology and Ecology from the Chesapeake Bay Region, by R.J. Orth, S.R. Marion, and K.A. Moore
ERDC/TN SAV-07-2	Dec 2007	Innovative Techniques for Large-scale Collection, Processing, and Storage of Eelgrass (<i>Zostera marina</i>) Seeds, by R.J. Orth and S.R. Marion
ERDC/TN SAV-07-3	Dec 2007	Using Seeds to Propagate and Restore <i>Vallisneria americana</i> Michaux (Wild Celery) in the Chesapeake Bay, by K.A. Moore and J.C. Jarvis
ERDC/TN SAV-08-1	Mar 2008	Restoring Eelgrass (<i>Zostera marina</i>) from Seed: A Comparison of Planting Methods for Large-Scale Projects, by R. Orth, S. Marion, S. Granger, and M. Traber
ERDC/TN SAV-08-2	Sep 2008	GigaUnit Transplant System: A New Mechanical Tool for Transplanting Submerged Aquatic Vegetation, by D.J. Shafer

ERDC/TN SAV-09-1	Aug 2009	Production and Field Planting of Vegetative Propagules for Restoration of Redhead Grass and Sago Pondweed in Chesapeake Bay, by L. Murray, W.M. Kemp, D. Hindle, and D. Shafer
ERDC/TN SAV-11-1	May 2011	An Improved Method for Processing large Quantities of Seeds of Mesohaline Submerged Aquatic Plants, by S. Ailstock, D. Shafer, B Lenderking, and M. Norman

27 System-wide Modeling, Assessment, and Restoration Techniques Program (SMART)

Technical notes

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC/TN SMART-04-1	Sep 2004	Use of the Hydrological Simulation Program-FORTRAN (HSPF) Model for Watershed Studies, by B.E. Skahill
ERDC/TN SMART-04-2	Sep 2004	Watershed Analysis with the Hydrologic Engineering Center's River Analysis System (HEC-RAS), by C.R. Goodell and G.W. Brunner
ERDC/TN SMART-04-3	Sep 2004	Description of the Hydrologic Engineering Center's Hydrologic Modeling System (HEC-HMS) and Application to Watershed Studies, by M. Fleming
ERDC/TN SMART-04-4	Sep 2004	The Ecosystem Functions Model: A Tool for Restoration Planning by, J.T. Hickey and C.N. Dunn
ERDC/TN SMART-04-5	Sep 2004	Soil Phosphorus Compositional Characteristics as a Function of Land-Use Practice in the Upper Eau Galle River Watershed, Wisconsin, by W.F. James, H.L. Eakin, C.E. Ruiz, and J.W. Barko
ERDC/TN SMART-04-6	Sep 2004	Variations in Field-Scale Nitrogen and Phosphorus Concentrations in Runoff as a Function of Land-Use Practice, by W.F. James, H.L. Eakin, C.E. Ruiz, and J.W. Barko
ERDC/TN SMART-04-7	Sep 2004	Longitudinal Loading and Nutrient Compositional Gradients in an Agriculturally Managed Watershed in West-Central Wisconsin, by W.F. James, C.E. Ruiz, J.W. Barko, and H.L. Eakin
ERDC/TN SMART-04-8	Sep 2004	Nutrient Loading Characteristics for Two Sub-watersheds Exhibiting Differing Agricultural Land-Use Practices, by W.F. James, C.E. Ruiz, and J.W. Barko
ERDC/TN SMART-04-9	Sep 2004	Conceptual Models to Support Environmental Planning and Operations, by J.E. Henderson and L.J. O'Neil

28 System-wide Water Resources Program (SWWRP)

Technical notes

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC TN-SWWRP-05-1	Aug 2005	Regional Morphology Analysis Package (RMAP). Part 2, User's Guide and Tutorial, by B.K. Batten and N.C. Kraus
ERDC TN-SWWRP-05-2	Sep 2005	Particle Entrainment Simulator at the U.S. Army Engineer Research and Development Center, by T.M. Parchure and J.Z. Gailani
ERDC TN-SWWRP-05-3	Dec 2005	A Watershed Assessment Tool for Evaluating Ecological Condition, Proposed Impacts, and Restoration Potential at Multiple Scales, by R.D. Smith, C.V. Klimas, and B.A. Kleiss
ERDC TN-SWWRP-06-1	Feb 2006	Effect of Residence Time on Net Nitrate Retention in Flow-Regulated Backwaters of the Upper Mississippi River, by W.F. James, W.B. Richardson, D.M. Soballe, J.W. Barko, and H.L. Eakin
ERDC TN-SWWRP-06-2	Mar 2006	The U.S. Army Corps of Engineers' Coastal Inlets Research, with Special Reference To Shore Bird Habitat, by J.D. Rosati and N.C. Kraus
ERDC TN-SWWRP-06-3	Mar 2006	Understanding Sediment Sources, Pathways and Sinks in Regional Sediment Management: Wash Load and Bed-Material Load Concept, by D.S. Biedenharn, L.C. Hubbard, C.R. Thorne, and C.C. Watson
ERDC TN-SWWRP-06-4	Apr 2006	Understanding Sediment Sources, Pathways and Sinks in Regional Sediment Management: Application of Wash Load and Bed-Material Load Concept, by D.S. Biedenharn, L.C. Hubbard, C.R. Thorne, and C.C. Watson
ERDC TN-SWWRP-06-5	May 2006	Cascade Version 1: User's Guide, by K.J. Connell and N.C. Kraus
ERDC TN-SWWRP-06-6	Jun 2006	ADH Sediment Module Testing, by J.N. Tate and R.C. Berger
ERDC TN-SWWRP-06-7	Jun 2006	Cascade Version 1: Theory and Model Formulation, by M. Larson, N.C. Kraus, and K.J. Connell
ERDC TN-SWWRP-06-8	Aug 2006	Nitrogen Processing Efficiency of an Upper Mississippi River Backwater Lake, by W.F. James, W.B. Richardson, E.A. Strauss, L.A. Bartsch, and J.C. Cavanaugh

ERDC TN-SWWRP-06-9	Aug 2006	Conceptual Processes for Linking Eutrophication and Network Models, by D.H. Tillman, C.F. Cerco and M.R. Noel
ERDC TN-SWWRP-06-10	Sep 2006	Sediment-Tracing Technology: An Overview, by M.K. Corcoran and J.R. Kelley
ERDC TN-SWWRP-06-11	Nov 2006	Parameter Estimation Tools for Hydrologic and Hydraulic Simulations, by J.P. Hallberg
ERDC TN-SWWRP-07-1	Jan 2007	Watershed Scale TMDL Model: Multidimensional Sediment Erosion, Transport, and Fate, by C.W. Downer and A. Byrd
ERDC TN-SWWRP-07-2	May 2007	Nitrate Uptake Capacity and Efficiency of Upper Mississippi River Flow-Regulated Backwaters, by W.F. James, W.B. Richardson, and D.M. Soballe
ERDC TN-SWWRP-07-3	Jul 2007	The Ecosystem Concept and Linking Models of Physical-Chemical Processes to Ecological Responses: Introduction and Annotated Bibliography, by J. Hains and D. Soballe
ERDC TN-SWWRP-07-4	Aug 2007	Template for Conceptual Model Construction: Model Review and Corps Applications, by J.E. Henderson and L.J. O'Neil
ERDC TN-SWWRP-07-5	Aug 2007	Full-Plane STWAVE with Bottom Friction: II. Model Overview, by J.M. Smith
ERDC TN-SWWRP-07-6	Aug 2007	Modeling Nearshore Waves for Hurricane Katrina, by J.M. Smith
ERDC TN-SWWRP-07-7	Sep 2007	Template for Conceptual Model Construction: Model Components and Application of the Template, by J.E. Henderson and L.J. O'Neil
ERDC TN-SWWRP-07-8	Oct 2007	Development of a Simple Soil Moisture Model in the Hydrologic Simulator GSSHA, by C.W. Downer
ERDC TN-SWWRP-07-9	Oct 2007	Regional Morphology analysis Package (RMAP): Empirical Orthogonal Function Analysis, Background and Examples, by K.J. Connell and M. Larson
ERDC TN-SWWRP-07-10	Nov 2007	Expanded Simulation Models (Version 3.0) for Growth of the Submersed Aquatic Plants American Wildcelery, Sago Pondweed, Hydrilla, and Eurasian Watermilfoil, by E.P.H. Best and W.A. Boyd
ERDC TN-SWWRP-07-11	Nov 2007	Algorithm Considerations for Evaluating Phosphorus Transport and Environmental Management Strategies Using a Grid-Based Spatial Watershed Model, by W.F. James and B.E. Johnson
ERDC TN-SWWRP-08-1	Jan 2008	Sediment-Water Nitrogen Fluxes in a Backwater System of the Upper Mississippi River, by W.F. James, W.B. Richardson, and D.M. Soballe

ERDC TN-SWWRP-08-2	Mar 2008	Demonstration of GSSHA Hydrology and Sediment at Eau Galle Watershed Near Spring Valley, Wisconsin, by C.W. Downer
ERDC TN-SWWRP-08-3	Mar 2008	Demonstration of GSSHA Hydrology at Goodwin Creek Experimental Watershed, by C.W. Downer
ERDC TN-SWWRP-08-4	Mar 2008	The Use of Sand Fences in Barrier Island Restoration: Experience on the Louisiana Coast, by S.M. Khalil
ERDC TN-SWWRP-08-5	Jul 2008	Non-orthogonal Channel and Reservoir Routing in GSSHA, by C.W. Downer, F.L. Ogden, J. Neidzialek, and A. Byrd
ERDC TN-SWWRP-08-6	Sep 2008	Concepts for Sensor Data Fusion to Detect Vegetation Stress and Implications on Ecosystem Health Following Hurricane Katrina, by S.S. Jackson, G.T. Raber, J.A. Griffith, and M.R. Graves
ERDC TN-SWWRP-09-1	Jan 2009	Sediment Equilibrium and Diffusive Fluxes in Relation to Phosphorus Dynamics in the Turbid Minnesota River, by W.F. James
ERDC TN-SWWRP-09-2	Jan 2009	Simulation of Reactive Constituent Fate and Transport in Hydrologic Simulator GSSHA, by Charles W. Downer
ERDC TN-SWWRP-09-3	May 2009	Considerations for Modeling Flow Control Structures in Adaptive Hydraulics (ADH), by G. Savant and C. Berger
ERDC TN-SWWRP-09-4	May 2009	Considerations for Stationary Ice Covered Flows in Adaptive Hydraulics (ADH), by G.L. Brown, G. Savant, C. Berger, and D.S. Smith
ERDC TN-SWWRP-09-5	Jun 2009	A Recalibrated Simulation Model (Version 3.0) on the Competition for Light by American wild celery and Sago pondweed at High and Low Nutrient Availability, by E.P.H. Best and W.A. Boyd
ERDC TN-SWWRP-09-6	Sep 2009	Soil Exchangeable Phosphorus Pools, Equilibrium Characteristics, and Mass Distribution Coefficients for Eight-Mile Run Watershed, Wisconsin, by W.F. James, B.E. Johnson, Z. Zhang, C.W. Downer, and A.R. Byrd
ERDC TN-SWWRP-09-7	Sep 2009	Comparison of Results from the EDYS and EDYS-L Ecological Simulation Models as Applied to Vegetation and Hydrological Dynamics on the Honey Creek Watershed, Texas, by T. McLendon, C.L. Coldren, and D.L. Price
ERDC TN-SWWRP-09-8	Sep 2009	Nitrogen Cycling and Fate in a Floodplain Backwater of the Upper Mississippi River, by W.F. James

ERDC TN-SWWRP-10-1	Apr 2010	Integration of the Individual-Based Fish Bioenergetics Model into a Spatially Explicit Water Quality Model (CE-QUAL-ICM), by P.S. Dalyander and C.F. Cerco
ERDC TN-SWWRP-10-2	Apr 2010	Demonstration of a Coupled Watershed-Nearshore Model, by H. Cheng, J.C. Cheng, R.M. Hunter, and H. Lin
ERDC TN-SWWRP-10-3	Aug 2010	Improved Soil Erosion and Sediment Transport in GSSHA, by C.W. Downer, F.L. Ogden, N. Pradhan, S. Liu, and A.R. Byrd
ERDC TN-SWWRP-10-4	Aug 2010	Computing Locally-Mass-Conservative Fluxes from Multi-dimensional Finite Element Flow Simulations, by J.C. Cheng, H. Cheng, M.W. Farthing, and C.E. Kees
ERDC TN-SWWRP-10-5	Oct 2010	Exchangeable Phosphorus Pools and Equilibrium Characteristics for River Sediment as a Function of Particle Size, by W.F. James
ERDC TN-SWWRP-10-6	Oct 2010	Intelligent Adaptive Time-Step Control for Modeling Rapidly-Evolving Hydrodynamic Flows in Adaptive Hydraulics (ADH), by G. Savant, C. Berger, T.O. McAlpin, and J.N. Tate
ERDC TN-SWWRP-11-1	Jan 2011	A Generic Modeling Approach to Biomass Dynamics of <i>Sagittaria latifolia</i> and <i>Spartina alterniflora</i> , by E.P.H. Best, W.A. Boyd, and K.P. Kenow
ERDC TN-SWWRP-11-2	Feb 2011	Meeting Water Quality and Water Control Objectives in River Basins with Multiple Reservoirs, by D.H. Tillman, G.C. Modini, and S.A. Wells
ERDC TN-SWWRP-12-1	Aug 2012	Storm Drain Effects on Urban Flooding, by F.L. Ogden, J.M. Niedzialek, and A.R. Byrd

29 Water Quality Research Program (WQRP)

Technical notes

Assessment methodologies (AM)

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC WQTN-AM-05	Mar 2000	Spatial Interpolation Techniques for Water Quality Analysis, by P. LaPotin and R. Kennedy
ERDC WQTN-AM-06	Mar 2000	Investigating Water Quality with a Towed Sensor Array, by J.J. Hains and R.H. Kennedy
ERDC WQTN-AM-07	Jun 2000	Development of Unsupervised Classification Techniques for Water Quality Analysis, by P. La Potin and R.H. Kennedy
ERDC WQTN-AM-08	Jul 2000	Nutrient Criteria: Considerations for Corps of Engineers Reservoirs, by R.H. Kennedy
ERDC WQTN-AM-09	Jul 2000	CE-QUAL-W2, Version 3, by S.A. Wells and T.M. Cole
ERDC WQTN-AM-10	Jul 2000	Decision Support for Water Resource Management: Integration of Water Control and Water Quality Data, by R. Kennedy, T. Pangburn, E. Ochs, J. Schlager, and W. Boyd
ERDC WQTN-AM-11	Sep 2001	Low-Temperature Microbial Activity in River Systems, by K.D. White, C.M. Reynolds, D. Ringelberg, J.P. Laible, K.L. Foley, and L.B. Perry
ERDC WQTN-AM-12	Jun 2002	Gridded Surface Subsurface Hydrologic Analysis (GSSHA) Model Simulation of Hydrologic Conditions and Restoration Scenarios for the Judicial Ditch 31 Watershed, Minnesota, by C.W. Downer, W.F. James, A. Byrd, and G.W. Eggers
ERDC WQTN-AM-13	Jul 2002	Assessing Water Quality Functions of Wetlands, by S.L. Ashby
ERDC WQTN-AM-14	May 2003	Assessment of Environmental and Economic Benefits Associated with Streambank Stabilization and Phosphorus Retention, by L.C. Hubbard, D.S. Biedenbarn, and S.L. Ashby
ERDC WQTN-AM-15	Oct 2007	A Primer for the Linkage between Unstructured Water Quality Model CE-QUAL-ICM and Structured Three-Dimensional Hydrodynamic Model CH3D-WES, by S.C. Kim
ERDC WQTN-AM-16	Aug 2013	Planning Guide for Fish Passage at Pittsburgh District Dams, by D.L. Smith, J.M. Nestler, and T.J. Maier

Case studies (CS)

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC WQTN-CS-02	Aug 2001	Archaeological Site and Reservoir Shoreline Stabilization Using Wetland Plants and Bioengineering, Rice Reservoir, Wisconsin, by C.J. Wendt and H.H. Allen
ERDC WQTN-CS-03	Sep 2001	Bioengineering as a Tool for Restoring Ecological Integrity to the Carson River, by K.L. Piper, J.C. Hoag, H.H. Allen, G. Durham, J.C. Fischenich, and R.O. Anderson
ERDC WQTN-CS-04	Apr 2004	Application of an Ecological Model for the Cibolo Creek Watershed, by D.L. Price, T. McLendon, and C. Coldren

Management strategies (MS)

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC WQTN-MS-04	Mar 1999	Water Quality Indicators for Reservoirs: Proceedings of a Workshop, by K.W. Thornton, K.W. and R.H. Kennedy
ERDC WQTN-MS-05	Dec 2000	Characterization of U.S. Army Corps of Engineers Reservoirs: Design and Operational Considerations, by R.H. Kennedy, J. Clarke, W. Boyd, and T. Cole
ERDC WQTN-MS-06	Sep 2001	Characterization of Sandbar Willow Stems for Erosion Control Applications, by J.L. Tingle and C. Hoag
ERDC WQTN-MS-07	Apr 2004	Limnological Responses to Changes in the Withdrawal Zone of Eau Galle Reservoir, Wisconsin, by W.F. James, H.L. Eakin, and J.W. Barko
ERDC WQTN-MS-08	Aug 2014	Analysis of the Challenges and Opportunities of Hydrokinetic Turbine Development Affecting the US Army Corps of Engineers, by D.L. Smith, J.M. Nestler, R. Styles, and B. Tetreault
ERDC WQTN-MS-9	Aug 2015	Evaluation of Environmentally Acceptable Lubricants (EALS) for Dams Managed by the U.S. Army Corps of Engineers, by V.F. Medina

Miscellaneous (MI)

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC WQTN-MI-07	Jul 2000	Total Maximum Daily Loads (TMDLs): A Perspective, by J.L. Martin and R.H. Kennedy
ERDC WQTN-MI-08	Jul 2001	Application of HSPF-AGCHEM Module within the WMS for the LeSueur Basin, by P.D. Deliman, C.E. Ruiz, A.S. Donigian, T.H. Jobes, E.J. Nelson, and C.T. Manwaring

Process descriptions (PD)

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC WQTN-PD-07	Dec 2000	Nutrient Recycling Impacts by Zebra Mussels in Harper's Ferry Slough, Upper Mississippi River, by W.F. James, J.W. Barko, H.L. Eakin, J.S. Hendrickson, A.C. Miller, and J. Sauer
ERDC WQTN-PD-08	Feb 2001	Phosphorus Loading from the Redwood River Basin: Fractionation of Labile and Refractory Components, by W.F. James, J.W. Barko, and H.L. Eakin
ERDC WQTN-PD-09	May 2001	Enhanced Phosphorus Recycling by Zebra Mussels at High Density Levels in Relation to Food Supply, by W.F. James, J.W. Barko, and H.L. Eakin
ERDC WQTN-PD-10	Jul 2001	Loading of Biologically Available Constituents from an Agricultural Subwatershed in the Redwood River Basin, Minnesota, by W.F. James, J.W. Barko, H.L. Eakin and G.W. Eggers
ERDC WQTN-PD-11	Sep 2001	Water Quality Additions to CASC2D – TAPS, by P.N. Deliman, T.K. Gerald, and C.E. Ruiz
ERDC WQTN-PD-12	Aug 2002	Longitudinal Gradients in Phosphorus Characteristics in the Minnesota-Upper Mississippi River System, by W.F. James, J.W. Barko, and H.L. Eakin
ERDC WQTN-PD-13	Aug 2003	Alum Dosage Determination Based on Redox-Sensitive Sediment Phosphorus Concentrations, by W.F. James and J.W. Barko
ERDC WQTN-PD-14	Mar 2004	Phosphorus Loading and Compositional Characteristics in Eight-Mile Run Watershed, Wisconsin, by W.F. James, H.L. Eakin and J.W. Barko
ERDC WQTN-PD-15	Apr 2004	Phosphorus Forms and Export from Four Sub-watersheds in the Upper Eau Galle River Basin Exhibiting Differing Land-Use Practices, by W.F. James, H.L. Eakin, and J.W. Barko
ERDC WQTN-PD-16	Sep 2004	Winter Community Structure Changes in Frazil Ice and Open Water in Riverine Systems, by K.D. White, C.M. Reynolds, D.B. Ringelberg, K.L. Foley, and L.B. Perry
ERDC WQTN-PD-17	Aug 2005	Phosphorus Saturation Characteristics in Relation to Land-Use Practice for Soils in the Upper Eau Galle River Watershed, Wisconsin, by W.F. James, J.W. Barko, and D.M. Soballe
ERDC WQTN-PD-18	Mar 2006	Phosphorus Equilibrium Characteristics for Soils in the Upper Eau Galle River Watershed, Wisconsin, by W.F. James

30 Wetlands Regulatory Assistance Program (WRAP)

Technical notes

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC TN-WRAP-00-01	Jun 2000	Guidelines for Conducting and Reporting Hydrologic Assessments of Potential Wetland Sites, by A.G. Warne and J.S. Wakeley
ERDC TN-WRAP-00-02	Jul 2000	Installing Monitoring Wells/Piezometers in Wetlands,, by S.W. Sprecher
ERDC TN-WRAP-00-03	Jul 2000	Importing Plant Stock for Wetland Restoration and Creation: Maintaining Genetic Diversity and Integrity, by W. Streever and E. Perkins
ERDC TN-WRAP-01-01	Apr 2001	Control of Beaver Flooding at Restoration Projects, by S. Brown, D. Shafer, and S. Anderson
ERDC TN-WRAP-01-02	May 2001	Evaluation of the Use of Grid Platforms to Minimize Shading Impacts to Seagrasses, by D.J. Shafer and J. Robinson
ERDC TN-WRAP-01-03	May 2001	Upper Yellowstone River Hydrogeomorphic Functional Assessment for Temporal and Synoptic Cumulative Impact Analyses, by F.R. Hauer, B.J. Cook, M. Miller, C. Noble, and T. Gonser
ERDC TN-WRAP-01-04	May 2001	Functional Assessment Using the Hydrogeomorphic Approach: Applying the Wet Pine Flats Guidebook in the Southeast, by J.S. Wakeley, J.A. Barlow, and W.R. Bunkley
ERDC TN-WRAP-01-05	Sep 2001	Bioengineering as a Tool for Restoring Ecological Integrity to the Carson River, by K.L. Piper, J.C. Hoag, H.H. Allen, G. Durham, J.C. Fischenich, and R.O. Anderson
ERDC TN-WRAP-01-06	May 2002	Technical and Scientific Considerations for Upland and Riparian Buffer Strips in the Section 404 Permit Process, by R.A. Fischer
ERDC TN-WRAP-01-07	Sep 2001	Akutan Harbor Project: Delineation of Wetlands on Akutan Island, Alaska, by J.S. Wakeley, C.V. Noble, and M.J. Bishop
ERDC TN-WRAP-01-08	Sep 2001	Akutan Harbor Project: Development of a Digital Elevation Model and Topographic Map, by T.E. Berry, M.R. Graves, and M.J. Bishop
ERDC TN-WRAP-02-01	May 2002	Implementing CD-Based Wetland Delineation Training, by J.S. Wakeley

ERDC TN-WRAP-02-02	May 2002	Duration and Frequency of Ponded Water on Arid Southwestern Playas, by B. Lichvar, G. Gustina, and R. Bolus
ERDC TN-WRAP-02-03	May 2002	Approaches for the Mitigation of Water Quality Functions of Impacted Wetlands - A Review, by S. Ashby
ERDC TN-WRAP-02-04	May 2002	Watershed Best Management Practices for Water Quality Protection, Management, and Restoration, by R. Kennedy
ERDC TN-WRAP-02-05	Nov 2002	Summarizing Responses to Corps District Requests for WRAP Scientific and Technical Assistance, by R. Lazor, J. Shirley, and V. Dickerson
ERDC TN-WRAP-03-01	May 2003	Availability of a CD-Based Tutorial on Wetland Identification, by J.S. Wakeley
ERDC TN-WRAP-04-1	Apr 2004	Field Indicators and Literature Summary for an Arid Southwestern Aquatic Resource Delineation at Twentynine Palms, CA, by R. Lichvar
ERDC TN-WRAP-04-2	Sep 2004	Availability of a PowerPoint-Based Tutorial on Applying PLOAD for Wetlands Management, by J.P. Lin and B.A. Kleiss
ERDC TN-WRAP-04-3	Sep 2004	Review of Published Export Coefficient and Event Mean Concentration (EMC) Data, by J.P. Lin
ERDC TN-WRAP-05-1	Jan 2005	A National Survey of Potential Wetland Hydrology Regional Indicators, by C.V. Noble, D.J. Martel, and J.S. Wakeley
ERDC TN-WRAP-05-2	Jun 2005	Technical Standard for Water-Table Monitoring of Potential Wetland Sites, by U. S. Army Corps of Engineers
ERDC TN-WRAP-05-3	Dec 2005	Ecological Functions of Shallow, Unvegetated Estuarine Habitats and Potential Dredging Impacts (with emphasis on Chesapeake Bay), by G.L. Ray
ERDC TN-WRAP-06-1	Feb 2006	The Role of Seagrasses and Kelps in Marine Fish Support by D. Blackmon, T. Wyllie-Echeverria, and D.J. Shafer
ERDC TN-WRAP-06-2	Jan 2006	Water Table Monitoring Project Design, by C.V. Noble
ERDC TN-WRAP-09-1	Sep 2009	Using IRIS Tubes to Monitor Reduced Conditions in Soils — Project Design, by J.F. Berkowitz
ERDC TN-WRAP-12-1	Aug 2012	Updating Regional Supplements to the Corps of Engineers Wetland Delineation Manual, by J.F. Berkowitz
ERDC TN-WRAP-14-1	Dec 2014	Framework for the Data-Driven Geographical Expansion of Rapid Ecological Assessment Methods by J.F. Berkowitz, C.V. Noble, and Z.M. Wilson

Technical reports

<u>Report Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
ERDC/EL TR-WRAP-00-1	Apr 2000	Accessing and Using Meteorological Data to Evaluate Wetland Hydrology, by S.W. Sprecher and A.G. Warne	ADA378910
ERDC/EL TR-WRP-RE-21	Mar 2000	Wetlands Engineering Handbook, Compiled by D.F. Hayes, T.J. Olin, J.C. Fischenich, and M.R. Palermo	ADA379359

31 Wetlands Research Program (WRP)

Technical bulletins

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
CRWRP-2, No. 1	Mar 2000	Wetlands Research Bulletin

Technical notes

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC TN-WRP-HS-CP-2.1	Feb 2003	Effects of Headcutting on the Bottomland Hardwood Wetlands Adjacent to the Wolf River, Tennessee, by K. Weins and T.H. Roberts

Section FW – Fish/wildlife

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
WRP TN FW-RS-3.1	Oct 1999	Foraging Habitat for Bird Species or Bird Diversity in Wetland Design, by B. Harrington and B. Streever

Section HS – Hydraulics

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC TN-WRP-HS-CP-2.1	Feb 2003	Effects of Headcutting on the Bottomland Hardwood Wetlands Adjacent to the Wolf River, Tennessee, by K. Weins and T. Roberts
ERDC TN-WRP-HS-CP-2.2	Feb 2003	Preliminary Evaluation of Critical Wave Energy Thresholds at Natural and Created Coastal Wetlands, by D.J. Shafer, R. Roland, and S.L. Douglass
ERDC TN-WRP-HS-CP-2.3	Sep 2004	Effects of Headcutting on Groundwater Levels in Bottomland Hardwood Wetlands of the Wolf River, Tennessee, by M.S. Peterson, T.H. Roberts, and D.J. Shafer

Section HY – Hydrology

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC TN-WRP-HY-EV-2.3	Jun 2000	Numerical Assessment of Hydrologic Functions in Prairie Potholes, by G. Pohll and J. Tracy

Section VN – Vegetation

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC TN-WRP-VN-RS-3.2	Oct 2000	Restoration of Mangrove Habitat, by R.R. Lewis and B. Streever

Section WG – Wetlands general

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC TN-WRP-WG-RS-3.4	Mar 2000	Salt Marsh Planting: Example Contract Specifications, by C.B. Schneider, W. Streever, and R. Medina
ERDC TN-WRP-WG-RS-3.5	Sep 2002	Bottomland Hardwood Planting: Example Contract Specifications, by M.N. Humphrey and D.J. Shafer

32 Zebra Mussel Research Program (ZMR)

Bulletins

<u>Report Number</u>	<u>Date</u>
V. 1 No. 1	Jun 2001

Technical notes

<u>Report Number</u>	<u>Date</u>	<u>Title</u>
ERDC TN-ZMR-2-22	Dec 2000	Plasma Pulse Technology to Control Zebra Mussel Biofouling, by G.L. Macie, P. Lowery, and C. Cooper
ERDC TN-ZMR 2-23	Dec 2000	Controlling Zebra Mussels, Quagga Mussels, and Biofilm Growth with the Plasma Sparker, by A.C. Miller and P. Lowery
ERDC TN-ZMR 3-23	Dec 1999	Overview of Electrical Technologies for Controlling Dreissenids, with Emphasis on Pulse-Power Systems, by A.G. Smythe and E.A. Dardeau, Jr.

33 Miscellaneous Publications

<u>Date</u>	<u>Publication</u>
2000	US Army Environmental Restoration: Technologies for Cleanup of UXO, Explosives, and Energetics, by U.S. Army Engineer Research and Development Center
2002	A Walk Through the Corps of Engineers' Dredge <i>Wheeler</i> . (electronic resource)
2004	The First 75 Years: History of Hydraulics Engineering at the Waterways Experiment Station, by B.H. Fatheree
2006	The History of Geotechnical Engineering at the Waterways Experiment Station: 1932-2000, by B.H. Fatheree
2009	2009 US Army Corps of Engineers Research and Development Conference. Science and Technology: The Cornerstone for Building Strong (electronic resource)
2011	Research and Development in the U.S. Army Corps of Engineers: Improving the Common Stock of Knowledge, by Damon Manders
2015	Cold Regions Research and Engineering Laboratory: The First Fifty Years, by United States Army, Corps of Engineers, Cold Regions Research and Engineering Laboratory

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